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Survey of the Manufacture, Import, and Uses for Benzidine, Related Substances and Related Dyes and Pigments

JRB Associates, Inc, McLean, VA

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Survey of the Manufacture, Import, and Uses for Benzidine, Related Substances, and Related Dyes and Pigments

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This report presents the results of a survey of published and unpublished sources including industry contacts to obtain production, imports and use data on benzidene and three related compounds, i.e.3,3′-dichlorobenzidene 3,3′-dimethoxybenzidene and 3,3′-dimethylbenzidene. In addition to these four substances, a search for similar information was conducted for 424 dyes and pigments derived from benzidene and the three related substances.

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May 23, 1979

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1. INTRODUCTION

1. INTRODUCTION

This report presents the results of an 8-week project to obtain production and use data on benzidine and three related substances. The substances are:

- Benzidine
- 3,3'-Dichlorobenzidine
- 3,3'-Dimethoxybenzidine
- 3,3'-Dimethylbenzidine

In addition to these four substances, a search for similar information was conducted for 424 dyes and pigments (Attachment A) derived from benzidine and the three related substances. The end use products for these dyes and pigments (e.g., textiles, inks, paints, plastics, and leather) were to be indicated also.

The preparation of this report involved the search of published literature, governmental files and contacts with personnel in the dye and pigments industry and government officials. In some instances we have utilized our knowledge of the industry, discussion with industry officials, and scientific judgement to develop production estimates.

Such a methodology has obvious limitations but it was the best practicable and available method and every effort was made to ensure the accuracy of data obtained and developed. Accordingly, the use of the data in this report should bear these limitations in mind.

2. SUMMARY

2. SUMMARY

Benzidine

- Benzidine is no longer produced commercially in the United States, however, it is produced in situ in the preparation of dyes. The only other identified use for benzidine is for laboratory research purposes for which very small quantities are prepared.

- Both Allied Chemical and GAF Corp. produced benzidine and benzidine-based dyes in 1975, 1976, and 1977, but they are no longer involved in benzidine or benzidine-based dye production.

3,3'-Dichlorobenzidine

- Both Upjohn and Lakeway are confirmed producers of 3,3'-dichlorobenzidine. No data is available on current production. Several million pounds are estimated to have been produced in 1975 through 1977.

- Hoechst is the only identified importer of 3,3'-dichlorobenzidine.

- 3,3'-dichlorobenzidine is used primarily in the production of pigments.

3,3-Dimethoxybenzidine

- Upjohn is the only confirmed present producer of 3,3'-dimethoxybenzidine for commercial purposes. Upjohn produces 3,3'-dimethoxybenzidine once or twice a year in "very small quantities."

- The International Trade Commission (ITC) identified Sterling and UOP as producers of 3,3'-dimethoxybenzidine in 1975 and 1975-1976 respectively. UOP has stated that they did not produce 3,3'-dimethoxybenzidine, but that 3,3'-dimethoxybenzene and the entry in the ITC was an error.

- 3,3'-dimethoxybenzidine is used primarily in the production of dyes and pigments. A small amount goes in polyurethane elastomers and resins.

3,3'-Dimethylbenzidine

- No current producers of 3,3'-dimethylbenzidine for commercial purposes have been identified.

- Upjohn ceased production of 3,3'-dimethylbenzidine a year ago. Until Upjohn ceased production, their annual production average was approximately 200,000 pounds. Currently they import it from Europe.

- Imports appear to be the only source of 3,3'-dimethylbenzidine at this time (see Table 4-1). Hoechst is an importer.

- Eastman Kodak was listed as a producer of 3,3'-dimethylbenzidine for 1975, 1976, and 1977. Kodak claims that they do not manufacture but purchase 3,3'-dimethylbenzidine from Hoechst. Kodak purifies and repackages it.

- 3,3'-dimethylbenzidine is used primarily in the production of dyes and pigments. A very small amount goes into the production of resins and elastomers

Pigments

- Of the 19 pigments included in the original list, 12 were identified as being produced from 1975 to 1977. Only 11 of these are currently produced in the United States.

- There are a total of 14 confirmed producers, each producing one or more of these pigments.

- The greatest single use category for these pigments is ink. Significant quantities are also used in plastics and rubber.

Dyes

- Of the 405 dyes included on the original list, 33 are available for use in the U. S. at present. However, only 32 are currently being produced in the U. S., and no domestic or foreign producer could be identified for 259.

- Of the 32 dyes currently being produced, 15 are benzidine based; 9 are 3,3'-dimethoxybenzidine based; and 8 are derived from 3,3'-dimethylbenzidine (Table 6-1).

- Fabricolor is the only confirmed U. S. producer of benzidine-based dyes for commercial purposes.

- All 32 dyes are used in the textile industry, which consumes most of the volume produced. 28 of these dyes are also used in small quantities in the leather industry and 25 in the paper industry. Very small amounts of 16 of these dyes are used in plastics, aqueous inks, pigments and biological indicators.

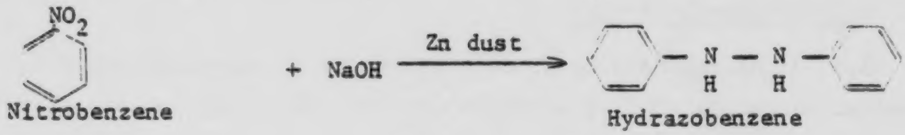
- In addition to the 32 dyes identified, 13 other benzidine-related dyes not included on the original list were identified as being currently produced in the U. S.

3. MANUFACTURING PROCESSES FOR BENZIDINE, 3,3'-DICHLOROBENZIDINE, 3,3'-DIMETHOXYBENZIDINE, AND 3,3'-DIMETHYLBENZIDINE

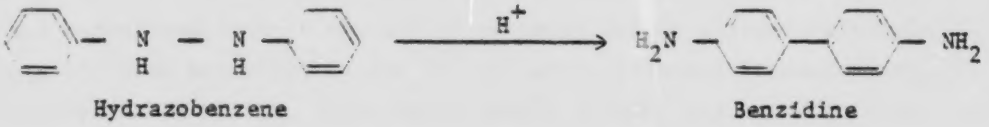
3. MANUFACTURING PROCESSES FOR BENZIDINE, 3,3'-DICHLOROBENZIDINE, 3,3'-DIMETHOXYBENZIDINE AND 3,3'-DIMETHYLBENZIDINE

3.1 Benzidine

Benzidine is manufactured on a commercial scale by treating an alkaline solution of nitrobenzene with a mild reducing agent - usually zinc dust. The resulting solution consists primarily of the intermediate product, hydrazobenzene:



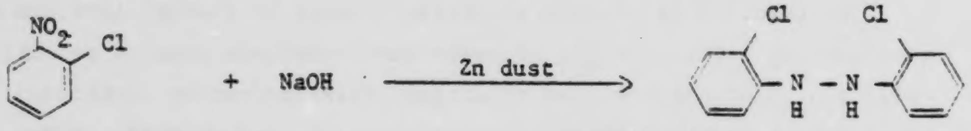
The reaction is allowed to proceed slowly by gradual addition of the reactants in order to avoid vigorous side reactions such as reduction to aniline. Dilutants are used to achieve these operating conditions. These are generally solvent naptha, dichlorobenzene, and alcohol. A two-step reaction is involved in the manufacture of hydrazobenzene. In the first step, nitrobenzene is treated with sodium amalgum to form azobenzene. Nickel reactors are connected and the reaction takes place in aqueous suspension at about 100°C. The azobenzene is separated hot from the resulting caustic soda and washed with hot water. In the second step, the azobenzene is reduced to hydrazobenzene with zinc dust and alkali. Although the first reduction could be carried all the way to hydrazobenzene, this is not practical from a technical point of view because of the violent reaction between any hydrazobenzene remaining in the reactor after draining and the next inflowing batch of nitrobenzene, the impurities present in the hydrazobenzene, and the emulsification of mercury in the last steps. Hydrazobenzene, in the presence of a mineral acid, undergoes a double side-chain-to-nucleus rearrangement to form benzidine as a major product:



This reaction is the well-known benzidine rearrangement.(1) A small amount of other isomers is usually formed. In practice, the hydrazobenzene is rearranged at slightly elevated temperatures, usually with hydrochloric or sulfuric acid, or a mixture of both, and the resulting precipitated benzidine dihydrochloride or sulfate is filtered off. When hydrochloric acid alone is used, sodium chloride is generally added at the end. Benzidine sulfate or dichloride may be used as such in the manufacture of azo dyes, or converted to the free base by means of weak alkali, such as sodium carbonate, and then purified by vacuum distillation.(2)

3.2 3,3'-Dichlorobenzidine

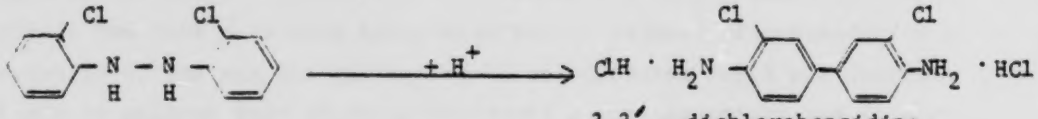
3,3'-dichlorobenzidine is synthesized on a commercial scale by chemical reactions similar to those used for benzidine, except that the starting material is o-nitrochlorobenzene instead of nitrobenzene:



O-nitrochlorobenzene

2,2' -dichlorohydrazobenzene

Upon treatment with sulfuric or hydrochloric acid, the intermediate 2,2'-dichlorohydrazobenzene undergoes the benzidine rearrangement (1) to form the 3,3'-dichlorobenzidine salt:

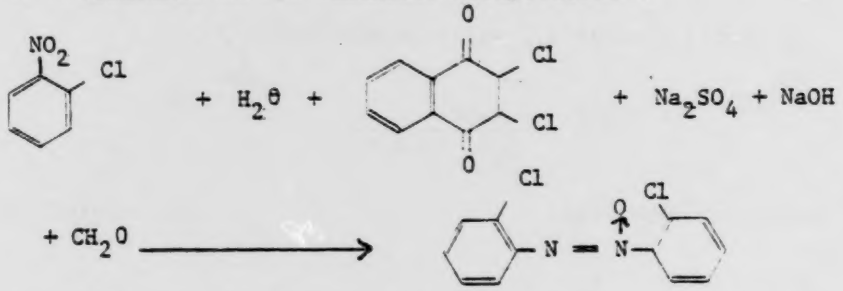


3,3' - dichlorobenzidine dihydrochloride

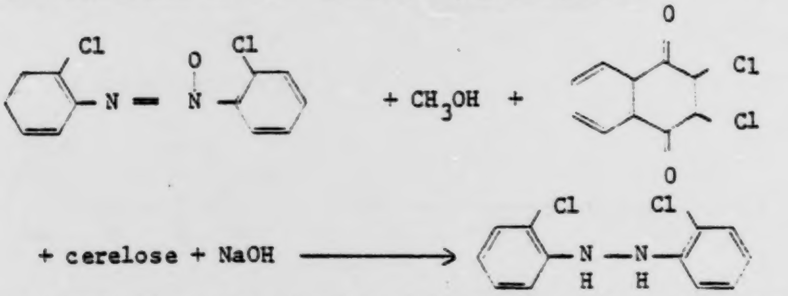
U.S. patent 2,966,519, owned by Allied Chemical Corporation, relates to benzidines which are stable against discoloration upon storage and to a process for effecting such stabilization. This patent describes improved methods for producing 3,3'-dichlorobenzidine and 3,3'-dimethoxybenzidine. In these methods, the reduction of o-nitrochlorobenzene is carried out with alcoholic caustic alkali promoted by the use of naphthoquinones and other naphthoquinoid reduction promoters(3) and by reduction with aldehydes and/or reducing sugar and caustic alkali promoted by the use of naphthoquinoid reduction promoters (4). The hydrazobenzenes are then rearranged by reaction with a strong acid (e.g., hydrochloric acid or sulfuric acid), and the benzidine derivatives obtained are recovered in the form of a salt of the acid. The crude benzidine salts ordinarily obtained by such commercial procedures are contaminated with by-products and impurities as well as considerable tarry material. In order to purify them, the crude benzidine salts are subjected to various purification treatments, which includes dissolving them in hot dilute acid, treatment with an absorbent purifying agent (e.g., activated carbon), separating the purified solution from the absorbent which contains the tars and other impurities, and recovering the purified benzidine salt as such, or converting it to the free benzidine base.

The manufacturing process of 3,3'-dichlorobenzidine dihydrochloride salt as given in this patent is presented as follows:

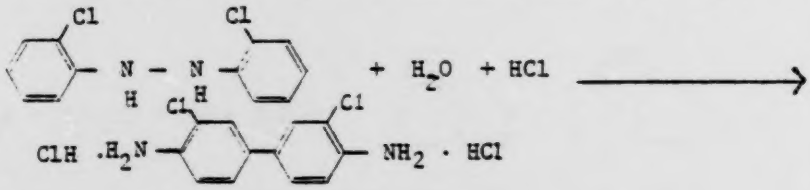
Step 1. Production of 2,2'-dichloro-azoxybenzene


NO2
Cl
+ H2O +
O
Cl
Cl
O
+ Na2SO4 + NaOH
+ CH2O
Cl
O
Cl
N = N

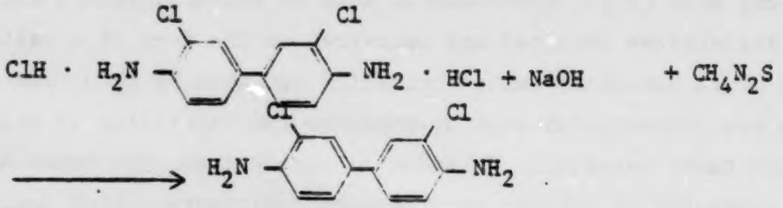
Step 2. Production of 2,2'-dichloro-hydrazobenzene


Cl
O
Cl
N = N
+ CH3OH +
O
Cl
Cl
O
+ cerelose + NaOH
Cl
Cl
N — N
H H

Step 3. Production of 3,3'-dichlorobenzidine dihydrochloride


Cl
Cl
N — N
H H
+ H2O + HCl
ClH ·H2N
Cl
Cl
NH2 · HCl

Step 4. Production of 3,3'-dichlorobenzidine


Cl
Cl
ClH · H$_2$N
NH$_2$ · HCl + NaOH
+ CH$_4$N$_2$S
Cl
Cl
H$_2$N
NH$_2$

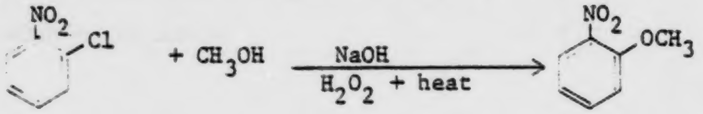
3.3 3,3'-Dimethoxybenzidine

3,3'-dimethoxybenzidine is prepared in the same manner described for benzidine except that the methyl ether of o-nitrophenol is used as the starting material instead of nitrobenzene.

The improved method as discussed in connection with 3,3'-dichlorobenzidine is presented step by step as follows:

(1) Production of 2,2'-dimethoxybenzidine

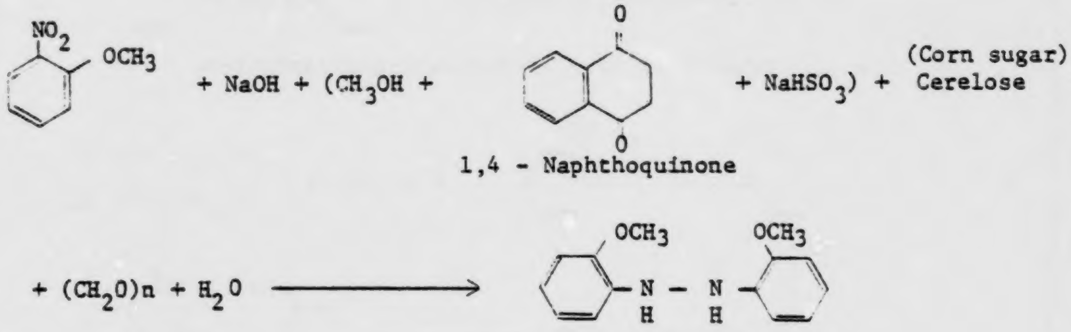
a.


NO$_2$
Cl
+ CH$_3$OH
NaOH
H$_2$O$_2$ + heat
NO$_2$
OCH$_3$

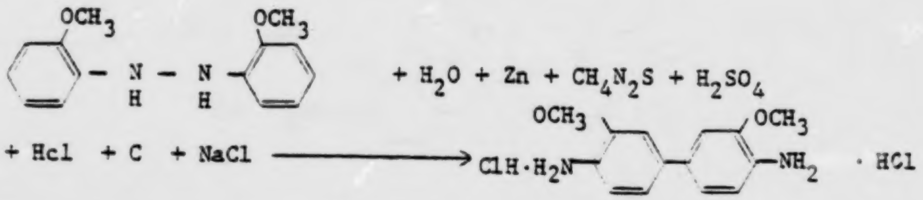
o-nitrochlorobenzene

o-nitro-anisole

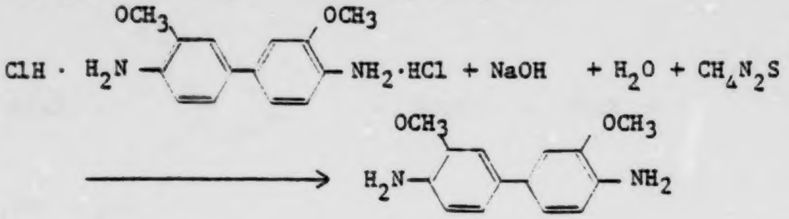
b.


NO$_2$
OCH$_3$
+ NaOH + (CH$_3$OH +
O
O
+ NaHSO$_3$) +
(Corn sugar)
Cerelose
1,4 - Naphthoquinone
+ (CH$_2$O)n + H$_2$O
OCH$_3$
OCH$_3$
N – N
H H

(2) Production of 3,3' - dimethoxybenzidine hydrochloride

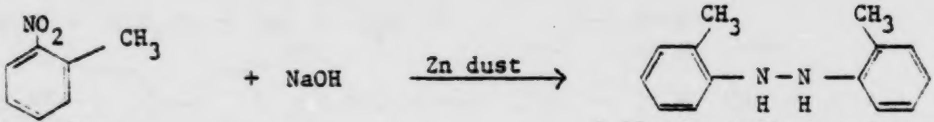

OCH$_3$
OCH$_3$
N – N
H H
+ H$_2$O + Zn + CH$_4$N$_2$S + H$_2$SO$_4$
+ Hcl + C + NaCl
OCH$_3$
OCH$_3$
ClH·H$_2$N
NH$_2$ · HCl

(3) Production of 3,3′-dimethoxybenzidine


OCH3
OCH3
ClH · H2N
NH2·HCl + NaOH
+ H2O + CH4N2S
OCH3
OCH3
H2N
NH2

3.4 3,3'-Dimethylbenzidine

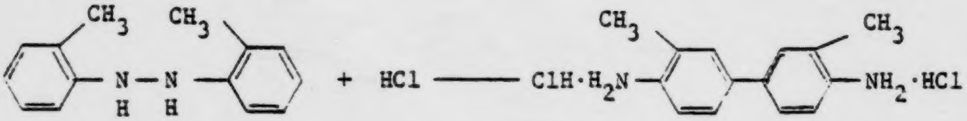
3,3'-dimethylbenzidine is synthesized on a commercial scale by chemical reactions similar to those used for benzidine, except that o-nitrotoluene, rather than nitrobenzene, is the starting material:


NO2
CH3
+ NaOH
Zn dust
CH3
CH3
N – N
H H

O-nitrotoluene

2,2'-dimethylhydrazobenzene

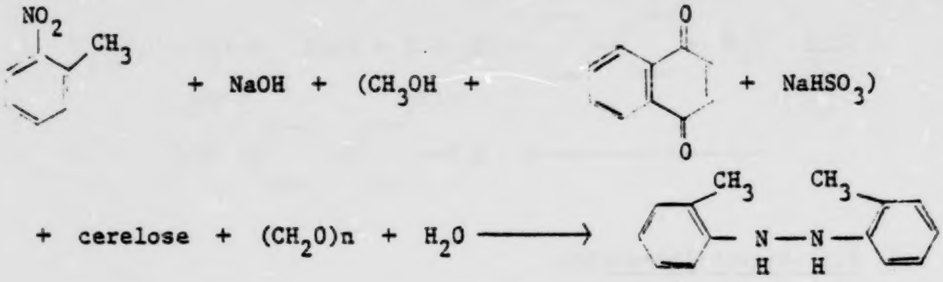
Further treatment with sulfuric or hydrochloric acid, the intermediate 2,2'-dimethylhydrazobenzene undergoes the benzidine rearrangement to form the 3,3'-dimethylbenzidine salt:


CH3
CH3
N — N
H H
+ HCl
CH3
CH3
ClH·H2N
NH2·HCl

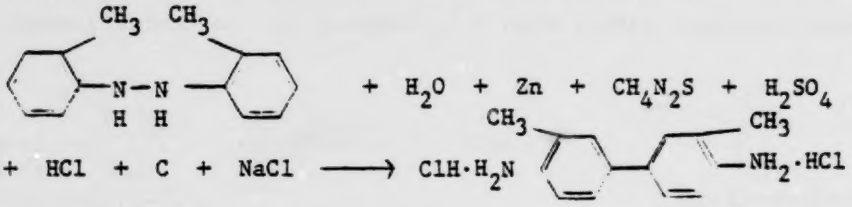
The free base 3,3'-dimethylbenzidine is then produced by converting the salt with weak alkali, such as sodium carbonate, and then purified by vacuum distillation.

The improved method of manufacturing 3,3'-dimethylbenzidine is similar to that discussed in connection with 3,3'-dichlorobenzidine and is presented as follows:

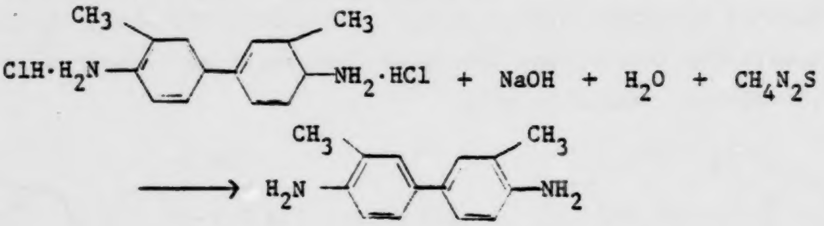
(1) Production of 2,2'-dimethylhydrazobenzene


NO2
CH3
+ NaOH + (CH3OH +
O
O
+ NaHSO3)
+ cerelose + (CH2O)n + H2O
CH3
CH3
N — N
H H

(2) Production of 3,3'-dimethylbenzidine dihydrochloride


CH3 CH3
N — N
H H
+ H2O + Zn + CH4N2S + H2SO4
+ HCl + C + NaCl
ClH·H2N
CH3
CH3
NH2·HCl

(3) Production of 3,3' -dimethylbenzidine


CH3
CH3
ClH·H2N
NH2·HCl
+ NaOH + H2O + CH4N2S
CH3
CH3
H2N
NH2

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3. U. S. P. 2,645,636 and 2,765,301.

4. U. S. P. 2,794,046 and 2,794,047.

4. PRODUCTION AND USE FOR BENZIDINE, 3,3'-DICHLOROBENZIDINE, 3,3'-DIMETHOXYBENZIDINE, AND 3,3'-DIMETHYLBENZIDINE

4. PRODUCTION AND USE FOR BENZIDINE, 3,3'-DICHLOROBENZIDINE, 3,3'-DIMETHOXYBENZIDINE, AND 3,3'-DIMETHYLBENZIDINE

4.1 Benzidine

Benzidine is currently not produced commercially within the U.S. However, it is produced in situ in the preparation of dyes. OSHA regulation is the reason for the cessation of benzidine production for commercial purpose. Allied Chemical produced benzidine up till 1977. In 1977, Allied sold their color works to Buffalo Color but excluded their benzidine technology in the sale. Buffalo Color does not produce benzidine. GAF also produced benzidine in 1977; however, they sold their color operations to BASF in late 1977. BASF does not produce benzidine.

Prior to 1975, several million pounds of benzidine were produced in the U.S. annually. Between 1975 and 1977 only 9,500 pounds of benzidine were imported (see Table 4-1). There is no information to indicate that benzidine is currently imported.

Aside from in situ production of benzidine in the manufacture of dyes, the only current use of benzidine identified is very small quantities for research.

4.2 3,3'-Dichlorobenzidine

Upjohn and Bofors Lakeway are both confirmed commercial producers of 3,3'-dichlorobenzidine for 1975 to 1978 (see Table 4-1). No other producers of 3,3'-dichlorobenzidine have been identified. Hoechst has been identified as an importer of 3,3'-dichlorobenzidine. Of the three benzidine derivatives, 3,3'-dichlorobenzidine is produced domestically in the greatest quantity. 3,3'-dichlorobenzindine is used primarily for production of diarylide pigments.

Almost all 3,3'-dichlorobenzidine produced is used to manufacture diarylide pigments. Approximately 17.5 million pounds of diarylide pigments were produced in 1977. Using product ratio calculations, it is estimated that at least 5.5 million pounds of 3,3'-dichlorobenzidine were produced in 1977. Similarly, it is estimated that 4.5 million and 3 million pounds of 3,3'-dichlorobenzidine were produced in 1975 and 1976, respectively. Present production is expected to be at the same or higher levels.

2,002 pounds of 3,3'-dichlorobenzidine were imported in 1976, none in 1977. Import data for 1978 are not available.

TABLE 4-1

MANUFACTURERS, IMPORTS AND USES OF BENZIDINE AND RELATED SUBSTANCES

CHEMICAL	MANUFACTURERS	PRODUCTION (lbs)	IMPORTER	IMPORTS (lbs)	USE
Benzidine					
1978	No Commercial Producer	Small amount for research only.		None	Dye Production
1977	GAF Corp.	*		None	Laboratory Research
1976	Allied Chemical	*		9,500	
1975	Allied Chemical	*		None	
3,3'-Dichloro-benzidine					
1978	Upjohn and Lakeway	Estimated at several million	Hoechst	No Data	Pigment Production
1977	Upjohn and Lakeway	5,500,000**		None	
1976	Upjohn and Lakeway	4,500,000**		2,002	
1975	Upjohn and Lakeway	3,000,000**		None	
3,3'-Dimethoxy-benzidine					
1978	Upjohn	"Very small quantities once or twice a year."		No Data	Dye and Pigment Production
1977	Upjohn	*		148,573 (Plain, 279,434 (HDC)	Polyurethane Production
1976	No Producer			508,272 (Plain), 243,512 (HDC)	
1975	Sterling Drug	*		294,371 (Plain), 106,409 (HDC)	

TABLE 4-1 (Continued)

MANUFACTURERS, IMPORTS AND USES OF BENZIDINE AND RELATED SUBSTANCES

CHEMICAL	MANUFACTURERS	PRODUCTION (lbs)	IMPORTER	IMPORTS (lbs)	USE
3,3'-Dimethylbenzidine					
1978	No Producer	*	Hoechst	No Data	Dye and Pigment Production Polyurethan Production Chlorine Detection and Laboratory Research
1977	Upjohn	200,000	*	202,872 (Plain) 150,409 (HDC)	
1976	Upjohn	200,000	*	308,997 (Plain) 163,797 (HDC)	
1975	Upjohn	*	*	300,450 (Plain) 11,901 (HDC)	

* The ITC does not give production statistics when there are less than three producers.

** These are estimates based on 3,3'-Dichlorobenzidine - pigment product ratios.

4.2 3,3'-Dimethoxybenzidine

Upjohn is the only current domestic commercial producer of 3,3'-dimethoxybenzidine. They produce very small quantities annually. The majority of the 3,3'-dimethoxybenzidine used in the U.S. is imported. Import quantities for 1975-1977 are reported in Table 4-1.

It is estimated that over 75% of 3,3'-dimethoxybenzidine is used in the production of dyes and pigments. The rest is used in polyurethane elastomers and resins production.

4.4 3,3'-Dimethylbenzidine

No current commercial producers of 3,3'-dimethylbenzidine have been identified. Upjohn produced 3,3'-dimethylbenzidine until 1978. The annual production average was approximately 200,000 pounds. Upjohn currently imports 3,3'-dimethylbenzidine from Europe. Although Upjohn does not currently produce 3,3'-dimethylbenzidine, the manufacturing equipment that is used for both 3,3'-dichlorobenzidine and o-dianisidine was also used for 3,3'-dimethylbenzidine production. This equipment can be used to manufacture any one of these three substances if the demand should arise.

Eastman Kodak was also identified by ITC as a producer of 3,3'-dimethylbenzidine. However, Eastman claims that they do not produce 3,3'-dimethylbenzidine. Eastman Kodak purchases it from Hoechst and then purifies and repackages it. It appears that the only source of 3,3'-dimethylbenzidine is imports. Import figures are available for 1975-1977 (see Table 4-1).

It is estimated that over 75% of 3,3'-dimethylbenzidine is used in the production of dyes and pigments. About 20% is used in the production of polyurethane-based high-strength elastomers, coatings, and rigid plastics. 3,3'-dimethylbenzidine is also used for chlorine detection and other laboratory procedures; however, according to Upjohn, this use accounts for less than 5 percent of 3,3'-dimethylbenzidine domestic usage.

5. PIGMENTS

5. PIGMENTS

5.1 Production

Of the list of 424 dyes and pigments considered in this project, only 19 are pigments. Only 11 of the 19 are currently produced in the United States; five are no longer produced in the United States (Table 5-1), and three have no known domestic or foreign production (Table 5-2).

Current production status was determined by contacting pigment producers identified in ITC publications and the Colour Index. The 11 pigments currently produced in the United States include:

3,3'-Dichlorobenzidine based

Pigment Orange 13
Pigment Orange 34
Pigment Red 38
Pigment Yellow 12
Pigment Yellow 13
Pigment Yellow 14
Pigment Yellow 17
Pigment Yellow 55

3,3'-Dimethoxybenzidine based

Pigment Blue 25
Pigment Orange 16
Pigment Red 41

Although only 11 of the pigments from the original list are currently produced in the United States, 12 pigments were produced from 1975 through 1977. Pigment Orange 15 which was produced through 1977, is not currently produced in the United States. Not only has the number of these pigments produced in the United States decreased in recent years, but the number of benzidine-related pigment manufacturers has also decreased. Some of the firms have completely terminated pigment production. The following pigment manufacturers have terminated benzidine-related pigment production:

Allied Chemical Corp.
H. Kohnstamm & Co., Inc.
Max Marx Color & Chemical
CIBA - GEIGY

TABLE 5-1
Pigments No Longer Produced in The United States*

Benzidine	
21080	Pigment Red 39
3,3' -Dichlorobenzidine	
21091	Pigment Yellow 63
3,3' -Dimethoxybenzidine	
21205	Pigment Yellow 37
21210	Pigment Red 42
3,3' -Dimethylbenzidine	
21130	Pigment Orange 15

TABLE 5-2
Pigments With No Known Producer*

(Domestic or Foreign)

3,3 ' -dimethoxybenzidine	
21165	Pigment Orange 14
21185	Pigment Blue 26
3,3' -dimethylbenzidine (o-tolidine)	
21135	Pigment Vulcan Fast Yellow R

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*This determination was made after polling all companies that currently make or have made these products based on the Colour Index and ITC publications.

American Cyanamid Corp.
Blackman-Uhler Division, Synalloy Corp.
Bostik South, Inc.
Verona Division of Baychom Corp.
E.I. duPont de Nemours & Co., Inc.
Sherwin Williams
ICI America
Crompton & Knowles Corp.
GAF Corp.
Reichard - Coulston, Inc.
Paul Uhlich & Co., Inc.

Table 5-3 lists the pigment manufacturers, production, import and sales data for 1975 obtained from the 1976 Color Index and 1975 ITC documents. The Color Index identified many more producers than the ITC documents for several pigments. Producers which were identified in both sources are noted with an asterisk. Similarly, Tables 5-4, 5-5, and 5-6 are listings of the pigment producers and pigment production, import and sales data for 1976, 1977 and current status respectively. Current status of production was developed by reviewing the Colour Index and ITC documents and contacting the individual pigment manufacturers to confirm current product lines.

Four pigments based on benzidine and related substances were identified which are currently produced in the United States, but which were not on the OTS list. For example, Pigment Yellow 83 is a major 3,3' -dichlorobenzidine based pigment. It is estimated that Pigment Yellow 83 together with Pigment Yellow 55 currently account for over 2,500,000 pounds/year.

5.2 Use

Table 5-7 shows the different uses for each of these pigments.

These pigments are used primarily in printing inks, plastics and rubber and paint because of their strong coloring power. These pigments have not found wide application in paper.

1) Pigment Orange 13

Pigment Orange 13 is also known as pyrazolone orange. It is a general purpose pigment that is especially suitable for use in rubber products and in a wide range of plastics as well as inks. Because of its excellent heat resistance, it is estimated that over 50% of Pigment Orange 13 production is used in master batch colorations of plastics and rubber.

2) Pigment Orange 34

Pigment Orange 34 is also referred to as benzidine orange and is one of the pyrazolone pigments. A transparent orange pigment, over 50% of it is estimated to be used in transparent metal coatings and decorative metal finishes on cans and foils. A general purpose pigment, Pigment Orange 34 also finds use in a variety of plastics and resins, as well as inks for textile printing.

3) Pigment Red 38

Pigment Red 38, pyrazolone red, is the most important of the four red pyrazolone pigment types. The rubber, plastics and floor product industries are estimated to use in excess of 50% of this pigment's production.

4) Pigment Yellow 12

Pigment Yellow 12 is the dominant diarylide yellow pigment. Pigment Yellow 12 is very widely used in oil inks and in aliphatic-based inks, but it is seldom used in paints or textile printing. Although certain grades of this pigment can be used for plastics and elastomers, these are not major applications. Over 75% of this pigment is estimated to be used in printing ink.

5) Pigment Yellow 13

Pigment Yellow 13 is of minor importance as a diarylide yellow pigment. Over 50% of this pigment is estimated to be used in ink; the rest is used in interior paints, textiles, and rubber and flexible vinyls.

6) Pigment Yellow 14

The second diarylide yellow pigment in commercial importance is Pigment Yellow 14. Pigment Yellow 14 finds use in inks, rubber and particularly in low to moderate quality textiles where it dominates. Use in textiles is estimated to be over 50% for this pigment.

7) Pigment Yellow 17

Pigment Yellow 17 is used in ink, textiles, interior paints, rubber, and particularly in rigid vinyls and polyolefin plastics. A very minor use for this pigment is artist paints.

8) Pigment Yellow 55

Pigment Yellow 55 has the least application of the diarylide yellow pigments. Only one manufacturer of this pigment has been confirmed. This pigment is used in inks and textiles with the largest portion going into textiles.

9) Pigment Blue 25

The economic importance of Pigment Blue 25 in today's market is limited, and is declining. The number of producers of this chemical has declined from 6 producers a few years ago to one identified producer today (Indol). Pigment Blue 25 is used primarily in printing inks

10) Pigment Orange 16

Pigment Orange 16 is used principally in textiles, although it is also used in printing inks, plastics and rubber. It is not used in paints because of poor lightfastness.

11) Pigment Red 41

Pigment Red 41 has been discontinued by most manufacturers and replaced with Pigment Red 38. Only two uses have been identified -- plastics (PVC), and ink. Plastics (PVC) usage is estimated to be 25% of the pigment usage, with ink estimated to account for 75% of its usage.

Attachment C lists users of dyes and pigments by industrial categories. Relevant users of pigments and hence potential users of benzidine based pigments are:

Table C-1: Textile Industry
Table C-2: Ink Industry
Table C-3 Paint Industry
Table C-4: Paper and Pulp Industry
Table C-5: Leather Tanners
Table C-6: Major Producers of Wall Coverings
Table C-7: Major Producers of Floor Coverings
Table C-9: Plastics Industry (Relevant Segments)
Table C-10: Rubber

TABLE 5-3. BENZENOID PIGMENTS AVAILABLE IN THE UNITED STATES IN 1975

3,3'-Dichlorobenzidine-Based	Manufacturer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Pigment Orange 13	*Allied Chemical Corp., Specialty Chemicals Division	P - 209,000 I - 11,022 S - 168,000
	*Ridgway Color & Chemical	
	*Hercules, Inc.	
	*Chemetron Corp., Pigments Division	
	*Harshaw Chemical Co.	
	*Inmont Corp.	
	*M. Kohnstamm & Co., Inc.	
	*Max Marx Color & Chemical.	
	CIBA-GEIGY	
	American Cyanamid Corp.	
	Harmon Color Corp.	
	Sandoz, Inc.	
	Sun Chemical Corp.	
Pigment Orange 34	*Blackman-Uhler Division, Synalloy Corp.	P - 99,000 S - 97,000
	*Inmont Corp.	
	*Bostik South, Inc.	
	*United Merchants & Manufacturers, Inc.	
	*Sterling Drug, Inc.	
	Verona Division of Baychem Corp.	
	CIBA-GEIGY	
	Hercules, Inc.	
Pigment Red 38	*Allied Chemical Corp., Specialty Chemicals Division	I - 4840
	*Harshaw Chemical Co.	
	*Inmont Corp.	
	*Sun Chemical Corp.	
	Harmon Color Corp.	

Source: 1976 Color Index and 1975 ITC documents. See Attachment E. * Indicates the manufacturer appeared in both sources: otherwise, the 1976 Color Index was the only source.

TABLE 5-3. (Continued)

BENZENOID PIGMENTS AVAILABLE IN THE UNITED STATES IN 1975

3,3'-Dichlorobenzidine-Based	Manufacturer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Pigment Red 38 (Continued)	GAF Corp.	
	CIBA-GEIGY	
	Max Marx Color & Chemical Co.	
	Paul Uhlich & Co., Inc.	
Pigment Yellow 12	*Allied Chemical Corp., Specialty Chemicals Division	P - 6,028,000 I - 62,117 S - 3,906,000
	*Ridgway Color & Chemical	
	*Apollo Colors, Inc.	
	*Borden, Inc.	
	*Hercules, Inc.	
	*Chemetron Corp.	
	*Harshaw Chemical Co.	
	*American Hoechst Corp.	
	*Inmont Corp.	
	*United Merchants & Manufacturers, Inc.	
	*Sterling Drug, Inc.	
	*Sun Chemical Corp.	
	E.I. duPont de Nemours & Co., Inc.	
	Harmon Color Corp.	
	Max Marx Color & Chemical Co.	
	H. Kohnstamm & Co., Inc.	
	Sherwin Williams	
	American Cyanamid Corp.	
	Sandoz, Inc.	

TABLE 5-3. (Continued)

BENZENOID PIGMENTS AVAILABLE IN THE UNITED STATES IN 1975

3,3'-Dichlorobenzidine-Based	Manufacturer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Pigment Yellow 13	*Ridgway Color & Chemical	P - 240,000 I - 2,500 S - 166,000
	*Blackman-Uhler Division, Synalloy Corp.	
	*GAF Corp.	
	*Hercules, Inc.	
	*Chemetron Corp.	
	*American Hoechst Corp.	
	*Inmont Corp.	
	*Bostik South, Inc.	
	*United Merchants & Manufacturers, Inc.	
	*Sterling Drug, Inc.	
	*Sun Chemical Corp.	
	Verona Division of Baychem Corp.	
	American Cyanamid Corp.	
	Max Marx Colors & Chemical Co.	
	Sandoz, Inc.	
	CIBA-GEIGY	
	ICI America	
	Crompton & Knowles	
	Harshaw Chemical Co.	
	E.I. duPont de Nemours & Co., Inc.	

TABLE 5-3. (Continued)

BENZENOID PIGMENTS AVAILABLE IN THE UNITED STATES IN 1975

3,3'-Dichlorobenzidine-Based	Manufacturer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Pigment Yellow 14	*Allied Chemical Corp., Specialty Chemicals Division	P - 1,840,000 I - 11,055 S - 1,646,000
	*Ridgway Color & Chemicals	
	*Binney and Smith, Inc.	
	*Blackman-Uhler Division, Synalloy Corp.	
	*GAF Corp.	
	*Hercules, Inc.	
	*Chemetron Corp.	
	*Harshaw Chemical Co.	
	*American Hoechst Corp.	
	*Inmont Corp.	
	*Bostik South, Inc.	
	*United Merchants & Manufacturers, Inc.	
	*Sterling Drug, Inc.	
	*Sun Chemical Corp.	
	Harmon Color Corp.	
	Verona Division of Baychem Corp.	
	Max Marx Colors & Chemical Co.	
	Ridgway Color & Chemicals	
	E.I. duPont de Nemours & Co., Inc.	
	American Cyanamid Corp.	
	CIBA-GEIGY	

TABLE 5-3. (Continued)

BENZENOID PIGMENTS AVAILABLE IN THE UNITED STATES IN 1975

3,3'-Dichlorobenzidine-Based	Manufacturer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Pigment Yellow 17	*Allied Chemical Corp., Specialty Chemicals Division	P - 415,000 S - 280,000
	*Blackman-Uhler Division, Synalloy Corp.	
	*Hercules, Inc.	
	*Chemetron Corp.	
	*Harshaw Chemical Co.	
	*American Hoechst Corp.	
	*Inmont Corp.	
	*Bostik South, Inc.	
	*United Merchants & Manufacturers, Inc.	
	*Sterling Drug, Inc.	
	*Sun Chemical Corp.	
	Verona Division of Baychem Corp.	
	Ridgway Color & Chemical Co.	
	American Cyanamid Corp.	
	Max Marx Colors & Chemicals Co.	
	Sandoz, Inc.	
	CIBA-GEIGY	
	Shervin Williams	
Pigment Yellow 55	*Hercules, Inc.	P - **
	CIBA-GEIGY	
	Reichard-Coulston, Inc.	
	Max Marx Color & Chemical Co.	

**Total 1975 production for Pigment Yellow 55 and Pigment Yellow 83 is estimated to be 80,000 pounds. Pigment 83 is a 3,3'-dichlorobenzidine-based dye which was not included in the OTS list.

TABLE 5-3. (Continued)

BENZENOID PIGMENTS AVAILABLE IN THE UNITED STATES IN 1975

3,3'-Dimethoxybenzidine-Based	Manufacturer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Pigment Blue 25	*Inmont Corp.	P - ***
	Sun Chemical Corp.	
	Sandoz, Inc.	
	CIBA-GEIGY	
	GAF Corp.	
	Harshaw Chemical Co.	
Pigment Orange 16	*Allied Chemical Corp., Specialty Chemicals Division	P - 377,000 S - 279,000
	*Binney and Smith, Inc.	
	*GAF Corp.	
	*Hercules, Inc.	
	*Harshaw Chemical Co.	
	*American Hoechst Corp.	
	*Inmont Corp.	
	*Bostik South, Inc.	
	*Max Marx Color & Chemical Co.	
	*United Merchants & Manufacturers, Inc.	
	Verona Division of Baychem Corp.	
	Sun Chemical Corp.	
	Sherwin Williams	
	Sandoz, Inc.	
Pigment Red 41	*Allied Chemical Corp., Specialty Chemicals Division	P - ***
	Max Marx Color & Chemical Co.	
	Paul Uhlich & Co., Inc.	

***The ITC does not give statistics when there are less than three producers, or when one producer is dominant.

TABLE 5-3. (Continued)

BENZENOID PIGMENTS AVAILABLE IN THE UNITED STATES IN 1975

3,3'-Dimethylbenzidine-Based	Manufacturer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Pigment Orange 15	*Allied Chemical Corp., Specialty Chemicals Division	P - ***
	Hercules, Inc.	

*** The ITC does not give statistics when there are less than three producers, or when one producer is dominant.

TABLE 5-4. BENZENOID PIGMENTS AVAILABLE IN THE UNITED STATES IN 1976

3,3'-Dichlorobenzidine-Based	Manufacturer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Pigment Orange 13	Allied Chemical Corp., Specialty Chemicals Division	P - 267,000 I - 2,200 S - 171,000
	Ridgway Color & Chemical	
	Hercules, Inc.	
	Chemetron Corp., Pigments Division	
	Harshaw Chemical Co.	
	Inmont Corp.	
	H. Kohnstamm & Co., Inc.	
	Bostik South, Inc.	
	Sandoz, Inc.	
Pigment Orange 34	Blackman-Uhler Division, Synalloy Corp.	P - 89,000 I - 96,470
	Inmont Corp.	
	United Merchants & Manufacturers, Inc.	
	Sterling Drug, Inc.	
Pigment Red 38	Allied Chemical Corp., Specialty Chemicals Division	P - 141,000 I - 64,240
	Harshaw Chemical Co.	
	Keystone Color Works, Inc.	
Pigment Yellow 12	Allied Chemical Corp., Specialty Chemicals Division	P - 7,830,000 I - 34,650 S - 5,223,000
	Ridgway Color & Chemical	
	Apollo Colors, Inc.	
	Borden, Inc.	
	Hercules, Inc.	
	Chemetron Corp.	
	Harshaw Chemical Co.	
	American Hoechst Corp.	

Source: The source of all manufacturer information and production/import/sales data is ITC.

TABLE 5-4. (Continued)

BENZENOID PIGMENTS AVAILABLE IN THE UNITED STATES IN 1976

3,3'-Dichlorobenzidine-Based	Manufacturer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Pigment Yellow 12 (Continued)	Inmont Corp.	
	United Merchants & Manufacturers, Inc.	
	Sterling Drug, Inc.	
	Sun Chemical Corp.	
Pigment Yellow 13	Ridgway Color & Chemical	P - 380,000 I - 19,984 S - 203,000
	Blackman-Uhler Division, Synalloy Corp.	
	Hercules, Inc.	
	Chemetron Corp.	
	American Hoechst Corp.	
	Inmont Corp.	
	Bostik South, Inc.	
	United Merchants & Manufacturers, Inc.	
	Sterling Drug, Inc.	
	Sun Chemical Corp.	
Pigment Yellow 14	Allied Chemical Corp., Specialty Chemicals Division	P - 3,000,000 S - 1,992,000
	Ridgway Color & Chemical	
	Binney and Smith, Inc.	
	Borden, Inc.	
	Blackman-Uhler Division, Synalloy Corp.	
	GAF Corp.	
	Hercules, Inc.	
	Chemetron Corp.	
	Harshaw Chemical Co.	
	American Hoechst Corp.	
	Inmont Corp.	
	Bostik South, Inc.	

TABLE 5-4. (Continued)

BENZENOID PIGMENTS AVAILABLE IN THE UNITED STATES IN 1976

3,3'-Dichlorobenzidine-Based	Manufacturer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Pigment Yellow 14 (Continued)	Sandoz, Inc.	
	United Merchants & Manufacturers, Inc.	
	Sterling Drug, Inc.	
	Sun Chemical Corp.	
Pigment Yellow 17	Allied Chemical Corp., Specialty Chemicals Division	P - 767,000 S - 416,000
	Blackman-Uhler Division, Synalloy Corp.	
	Borden, Inc.	
	Hercules, Inc.	
	Chemetron Corp.	
	Harshaw Chemical Co.	
	American Hoechst Corp.	
	Inmont Corp.	
	United Merchants & Manufacturers, Inc.	
	Sterling Drug, Inc.	
	Sun Chemical Corp.	
Pigment Yellow 55	Hercules, Inc.	P - **
	Inmont Corp.	

**Total 1976 production for Pigment Yellow 55 and Pigment Yellow 83 is estimated to be 1,500,000 pounds. Pigment 83 is a 3,3'-dichlorobenzidine-based dye which was not included in the OTS list.

TABLE 5-4. (Continued)

BENZENOID PIGMENTS AVAILABLE IN THE UNITED STATES IN 1976

3,3-Dimethoxybenzidine-Based	Manufacturer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Pigment Blue 25	Inmont Corp.	P - ***
Pigment Orange 16	Allied Chemical Corp., Specialty Chemicals Division	P - 475,000 S - 367,000
	Binney and Smith, Inc.	
	Hercules, Inc.	
	Harshaw Chemical Co.	
	American Hoechst Corp.	
	Inmont Corp.	
	Bostik South, Inc.	
	Max Marx Color & Chemical Co.	
	United Merchants & Manufacturers, Inc.	
	Sterling Drug, Inc.	
	Sun Chemical Corp.	
Pigment Red 41	Allied Chemical Corp., Specialty Chemicals Division	P - ***
3,3-Dimethylbenzidine-Based		
Pigment Orange 15	Allied Chemical Corp., Specialty Chemicals Division	P - ***

***The ITC does not give statistics when there are less than three producers.

TABLE 5-5. BENZENOID PIGMENTS AVAILABLE IN THE UNITED STATES IN 1977

3,3'-Dichlorobenzidine-Based	Manufacturer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Pigment Orange 13	Ridgway Color & Chemical	P - 230,000 I - 9,483 S - 186,000
	Harmon Colors Corp.	
	Hercules, Inc.	
	Chemetron Corp., Pigments Division	
	Harshaw Chemical Co.	
	Inmont Corp.	
	H. Kohnstamm & Co., Inc.	
	Sun Chemical Corp.	
Pigment Orange 34	Blackman-Uhler Division, Synalloy Corp.	P - 75,000 I - 13,420 S - 75,000
	Galaxie Chemical Corp.	
	Indol Chemical Co.	
	Inmont Corp.	
	United Merchants & Manufacturers, Inc.	
	Sterling Drug, Inc.	
Pigment Red 38	Harmon Colors Corp.	P - 205,000 S - 161,000
	Harshaw Chemical Co.	
	Sun Chemical Corp.	
Pigment Yellow 12	Ridgway Color & Chemical	P - 8,870,000 I - 28,705 S - 5,768,000
	Apollo Colors, Inc.	
	Borden, Inc.	
	Hercules, Inc.	
	Galaxie Chemical Corp.	
	Harmon Colors Corp.	
	Chemetron Corp.	
	Harshaw Chemical Co.	
	Indol Chemical Co.	

Source: The source of all manufacturer information and production/import/sales data is ITC.

TABLE 5-5. (Continued)

BENZENOID PIGMENTS AVAILABLE IN THE UNITED STATES IN 1977

3,3'-Dichlorobenzidine-Based	Manufacturer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Pigment Yellow 12 (Continued)	American Hoechst Corp.	
	Inmont Corp.	
	United Merchants & Manufacturers, Inc.	
	Sterling Drug, Inc.	
	Sun Chemical Corp.	
Pigment Yellow 13	Apollo Colors, Inc.	P - 367,000 I - 4,625 S - 300,000
	Blackman-Uhler Division, Synalloy Corp.	
	Galaxie Chemical Corp.	
	Hercules, Inc.	
	Chemetron Corp.	
	American Hoechst Corp.	
	Indol Chemical Co.	
	Bostik South, Inc.	
	United Merchants & Manufacturers, Inc.	
	Sterling Drug, Inc.	
	Sun Chemical Corp.	
Pigment Yellow 14	Apollo Colors, Inc.	P - 3,248,000 I - 110 S - 2,323,000
	Ridgway Color & Chemical	
	Borden, Inc.	
	Binney and Smith, Inc.	
	Blackman-Uhler Division, Synalloy Corp.	
	GAF Corp.	
	Galaxie Chemical Corp.	
	Harmon Colors Corp.	
	Hercules, Inc.	
	Chemetron Corp.	

TABLE 5-5. (Continued)

BENZENOID PIGMENTS AVAILABLE IN THE UNITED STATES IN 1977

3,3'-Dichlorobenzidine-Based	Manufacturer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Pigment Yellow 14 (Continued)	Harshaw Chemical Co.	
	American Hoechst Corp.	
	Inmont Corp.	
	Indol Chemical Co.	
	Sandoz, Inc.	
	Bostik South, Inc.	
	United Merchants & Manufacturers, Inc.	
	Sterling Drug, Inc.	
	Sun Chemical Corp.	
Pigment Yellow 17	Ridgway Color & Chemicals	P - 1,002,000 S - 612,000
	Apollo Colors, Inc.	
	Blackman-Uhler Division, Synalloy Corp.	
	Hercules, Inc.	
	Galaxie Chemical Corp.	
	Chemetron Corp.	
	Borden, Inc.	
	Harshaw Chemical Co.	
	American Hoechst Corp.	
	Inmont Corp.	
	Indol Chemical Co., Inc.	
	United Merchants & Manufacturers, Inc.	
	Sterling Drug, Inc.	
	Sun Chemical Corp.	
Pigment Yellow 55	Hercules, Inc.	P - **
	Inmont Corp.	

**Total 1977 production for Pigment Yellow 55 and Pigment Yellow 83 is estimated to be 2,500,000 pounds. Pigment 83 is a 3,3'-dichlorobenzidine-based dye which was not included in the OTS list.

TABLE 5-5. (Continued)

BENZENOID PIGMENTS AVAILABLE IN THE UNITED STATES IN 1977

3,3-Dimethoxybenzidine-Based	Manufacturer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Pigment Blue 25	Inmont Corp.	P - ***
	Galaxie Chemical Corp.	
	Indol Chemical Co.	
Pigment Orange 16	Binney and Smith, Inc.	P - 439,000 I - 2,182 S - 441,000
	Galaxie Chemical Corp.	
	Hercules, Inc.	
	Harmon Colors Corp.	
	Harshaw Chemical Co.	
	American Hoechst Corp.	
	Inmont Corp.	
	Indol Chemical Co.	
	United Merchants & Manufacturers, Inc.	
	Sterling Drug, Inc.	
Pigment Red 41	Harmon Colors Corp.	P - ***
3,3' -Dimethylbenzine-based		
Pigment Orange 15	Harmon Colors Corp.	P - ***

***The ITC does not give statistics when there are less than three producers, or when one producer is dominant.

TABLE 5-6

BENZENOID PIGMENTS CURRENTLY MANUFACTURED IN THE UNITED STATES

	Current Manufacturers
Pigment Orange 13	Chemetron Corp.
	Harmon Color Corp.
	Hercules, Inc.
	Inmont Corp.
	Ridgway Color & Chemical
	Sandoz, Inc.
	Sun Chemical Corp.
	Sterling Drug, Inc.
	United Merchants & Manufacturers, Inc.
Pigment Orange 34	Hercules, Inc.
	Indol Chemical Co.
	Sun Chemical Corp.
	Sterling Drug, Inc.
	United Merchants & Manufacturers, Inc.
Pigment Red 38	Harmon Color Corp.
	Harshaw Chemical Co.
Pigment Yellow 12	American Hoechst Corp.
	Apollo Colors, Inc.
	Borden, Inc.
	Chemetron Corp.
	Harmon Color Corp.
	Harshaw Chemical Co.
	Hercules, Inc.
	Indol Chemical Co.
	Inmont Corp.
	Ridgway Color & Chemical
	Sun Chemical Corp.
	Sterling Drug, Inc.
	United Merchants & Manufacturers, Inc.
Pigment Yellow 13	American Hoechst Corp.
	Apollo Colors, Inc.
	Chemetron Corp.
	Hercules, Inc.
	Indol Chemical Co.
	Inmont Corp.
	Sun Chemical Corp.
	United Merchants & Manufacturers, Inc.

Note: Current manufacturers and importers have been confirmed by personal contact with the producers and importers. Recent production figures could not be obtained.

TABLE 5-6 (Continued)

BENZENOID PIGMENTS CURRENTLY MANUFACTURED IN THE UNITED STATES

	Current Manufacturers
Pigment Yellow 14	American Hoechst Corp.
	Apollo Colors, Inc.
	Binney and Smith, Inc.
	Borden, Inc.
	Chemetron Corp.
	Harshaw Chemical Co.
	Hercules, Inc.
	Inmont Corp.
	Ridgway Color & Chemical
	Sandoz, Inc.
	Sun Chemical Corp.
	Sterling Drug, Inc.
Pigment Yellow 17	American Hoechst Corp.
	Apollo Colors, Inc.
	Chemetron Corp.
	Harmon Color Corp.
	Harshaw Chemical Co.
	Hercules, Inc.
	Indol Chemical Co.
	Inmont Corp.
	Ridgway Color & Chemical
	Sun Chemical Corp.
Pigment Yellow 55	Hercules, Inc.
Pigment Blue 25	Indol Chemical Co.
Pigment Orange 16	American Hoechst Corp.
	Binney and Smith, Inc.
	Harmon Colors Corp.
	Harshaw Chemical Co.
	Hercules, Inc.
	Indol Chemical Co.
	Inmont Corp.
	Sun Chemical Corp.
	Sterling Drug, Inc.
	United Merchants & Manufacturers, Inc.
Pigment Red 41	Harmon Colors Corp.

TABLE 5-7

USES OF PIGMENTS CURRENTLY AVAILABLE IN THE UNITED STATES

Pigment	Printing Inks	Textile Printing	Paper	Wallpaper	Paints	Emulsion Paints	Alkyl Resin Enamels	Lacquers	Rubber	Vinyl Products	PVC	U/F and P/F Resins	Plastics	Polystyrene Plastics	Linoleum	Miscellaneous	Food Wrappers	Viscose	Leather Cloth
3,3' - dichloro																			
Pigment Orange 13	X	X	X			X			X		X		X		X			X	X
Pigment Orange 34	X	X		X	X			X	X				X						
Pigment Red 38	X	X			X			X	X	X			X		X				
Pigment Yellow 12	X	X	X	X				X	X		X	X	X		X				
Pigment Yellow 13	X	X			X				X	X		X		X					
Pigment Yellow 14	X	X	X						X	X	X	X		X					
Pigment Yellow 17	X				X				X	X			X						
Pigment Yellow 55	X	X															X		
3,3' - dimethoxy																			
Pigment Blue 25	X	X				X			X				X		X				
Pigment Orange 16	X	X	X				X		X	X			X						
Pigment Red 41	X										X		X						

6. DYES

6. DYES

6.1 Production

Of the 405 dyes included on the original list, only 33 are currently available in the United States (see Table 6-1). All dyes are produced domestically except Direct Blue 2 which is currently being imported. 114 dyes are no longer produced in the United States (see Table 6-2), and no domestic or foreign producer could be identified for 259 (see Table 6-3).

Benzidine

The original list included 232 benzidine-based dyes. Of these 232, 15 are currently being produced commercially in the United States. Fabricolor is the only confirmed U.S. commercial producer of these benzidine-based dyes. Prior to the promulgation of the 1976 OSHA regulation for benzidine, several U.S. manufacturers produced benzidine-based dyes. These included American Cyanamid, CIBA-GEIGY, Dupont, Allied Chemical, and GAF. None of these producers is currently involved in domestic benzidine-based dye production.

Due to OSHA regulation for benzidine, current production methods for benzidine-based dyes eliminate the need for handling benzidine as a raw material. Current production practices allow in situ production of benzidine and direct conversion to dyes reducing the potential for exposure.

3,3' -Dichlorobenzidine Dyes

Of the 405 dyes on the original list, 4 were 3,3' -dichlorobenzidine-based. None of these is currently being produced in the United States.

3,3' -Dimethoxybenzidine Dyes

Of the 405 dyes on the original list, 81 were 3,3' -dimethoxybenzidine based dyes. Of these 81 dyes, 9 are currently produced domestically.

3,3'-Dimethylbenzidine Dyes

Of the 88 dyes included on the original list, 8 are currently produced in the United States.

TABLE 6-1

DYES CURRENTLY PRODUCED OR IMPORTED INTO THE UNITED STATES

Benzidine Dyes

Acid Red 85
Direct Black 4
Direct Black 38
Direct Blue 2*
Direct Blue 6
Direct Brown 2
Direct Brown 6
Direct Brown 31
Direct Brown 74
Direct Brown 95
Direct Brown 154
Direct Green 1
Direct Green 6
Direct Orange 8
Direct Red 1
Direct Red 28

3,3-Dimethoxybenzidine Dyes

Direct Black 91
Direct Blue 1
Direct Blue 8
Direct Blue 15
Direct Blue 22
Direct Blue 76
Direct Blue 98
Direct Blue 151
Direct Blue 218

3,3-Dimethylbenzidine Dyes

Acid Red 114
Direct Blue 14
Direct Blue 25
Direct Blue 26
Direct Orange 6
Direct Orange 10
Direct Red 2
Direct Red 39

* Imported only.

In addition to these 33 dyes that are currently available in the United States, the project effort identified 25 dyes that are currently produced in the United States that were not on the OTS list of 405 dyes. These 13 dyes are based on 3,3'-dimethoxybenzidine and 3,3'-dimethylbenzidine.

Of the 405 dyes on the OTS list, only 62 dyes were identified in the 1976 Color Index as being produced in the United States. 1975 ITC documents confirmed production for 42 out of the 62 dyes. Table 6-4 identifies manufacturers and/or importers of the 62 dyes and the available information on production, sales and imports. Those identified in both sources are marked with an asterisk.

The 1976 Color Index did not have up-to-date information on producers and/or importers for 1975. Many of the companies listed as producers by the 1976 Color Index had terminated benzidine-based and benzidine-related dye production prior to 1975. Table 6-5 contains a list of those companies that have ceased benzidine-based and benzidine-related dye production and the year that production is believed to have terminated.

Tables 6-6 and 6-7 are listings of the dyes' producers/importers and available data on production, sales, and imports for 1976 and 1977, respectively. Table 6-8 is a listing of 33 benzidine-based and benzidine-related dyes currently produced in or imported into the United States. This list was developed by reviewing the Color Index and ITC documents and by contacting individual manufactures to confirm current product lines.

DETO (Dye Environmental Toxicology Organization, Inc.), the trade association for dye manufacturers, was also contacted. DETO provided a list of benzidine-related dyes which DETO regarded as "commercially significant" in the United States. They are:

Dyes Derived from Benzidine

Direct Black (4, 38)
Direct Blue (2, 6)
Direct Brown (1A, 2, 6, 31, 59, 95, 74, 154)
Direct Green (1, 6, 8)
Direct Orange (1, 8)
Direct Red (1, 28, 37)
Direct Violet (1, 22)

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Dyes Derived from 3,3'-Dimethoxybenzidine

- Azoic Black Composition (4)
- Azoic Blue Composition (2, 3)
- Azoic Coupling Component (3)
- Azoic Diazo Component (48)
- Direct Black (91, 118)
- Direct Blue (1,8,15,22,76,77,80,90,98,100,136,151,160,218,224,269)
- Direct Brown (200, 230)
- Disperse Black (6)

Dyes Derived from 3,3'-Dimethylbenzidine

- Acid Red (114, 167)
- Azoic Coupling Component (5)
- Azoic Orange Composition (3)
- Azoic Yellow Composition (1, 2, 3)
- Direct Blue (14, 25, 26)
- Direct Orange (6)
- Direct Red (2, 39)

On checking DETO's list, 22 of the dyes were not included on EPA's original list of 405 dyes. These included:

3,3'-Dimethoxybenzidine Dyes

- Azoic Black Composition (4)
- Azoic Blue Composition (2, 3)
- Azoic Coupling Component (3)
- Azoic Diazo Component (48)
- Direct Black (118)
- Direct Blue (77, 80, 90, 100, 160, 224, 269)
- Direct Brown (200, 230)
- Disperse Black (6)

3,3'-Dimethylbenzidine Dyes

- Acid Red (167)
- Azoic Coupling Component (5)
- Azoic Orange Composition (3)
- Azoic Yellow Composition (1, 2, 3)

DETO's list was not based on any actual figures. In fact, DETO currently has no information on what dyes are produced and the amount produced in the United States. DETO's list of commercially significant dyes was based on an ad hoc poll of DETO members. DETO indicated that a survey of production and use of dyes is on the trade association's agenda which they would like to implement later this summer. DETO has indicated, however, that such a survey may not take place because gathering such information could be in violation of anit-trust laws. Such legal issues need to be resolved before any action would be initiated.

NIOSH has been conducting a review of benzidine and related dyes for over a year. They have had meetings with DETO officials and representatives of the dye manufacturing companies. NIOSH has no production information other than those available in publications of the International Trade Commission. NIOSH's list of commercially important benzidine-related dyes are:

Benzidine

Direct Red (1, 10, 13, 28, 37, 43)
Direct Orange (1, 8)
Direct Green (1, 6, 12)
Direct Blue (2, 6, 230)
Direct Violet (1, 3)
Direct Brown (1, 2, 6, 26, 58, 62, 95, 154)
Direct Black (4, 31, 34, 38, 127)
Acid Red (85)

3,3'-Dimethoxybenzidine

Direct Blue (1, 8, 15, 22)
Direct Violet (13)

3,3'-Dimethylbenzidine

Direct Red (2)
Direct Orange (6)
Direct Green (20)
Direct Blue (14, 53)
Direct Brown (52)
Direct Black (24)

The following dyes listed by NIOSH are not listed in Table 6-1 because current commercial production could not be confirmed.

Benzidine

Direct Red (10, 13, 37, 43)
Direct Orange (1)

Direct Green (12)
Direct Blue (2, 230)
Direct Violet (1, 3)
Direct Brown (1, 26, 58, 62)
Direct Black (31, 34, 127)

3,3' -Dimethoxybenzidine

Direct Violet (13)

3,3' -Dimethylbenzidine

Direct Green (20)
Direct Blue (53)
Direct Brown (52)
Direct Black (24)

The NIOSH listing of dyes does not include the following dyes that are currently produced in the United States.

Benzidine

Direct Brown (31, 74)

3,3' - Dimethoxybenzidine

Direct Blue (76, 98, 157, 218)

3,3' -Dimethylbenzidine

Direct Red (39)
Direct Orange (10)
Direct Blue (25, 26)

The difference in these lists can be accounted for by NIOSH's criteria for dye selection, the availability of health effects information on individual dyes and the ITC production list. Furthermore, NIOSH has not contacted individual companies to confirm current availability and production.

6.2 Use

The textile industry is the major consumer of the production of the 33 dyes (Table 6-9). These dyes have physical and chemical characteristics that make them especially suitable for textile applications. These same characteristics make these dyes suitable for coloring leather, and 28 of the 33 dyes currently produced are used as leather colorants. This usage consumes a much smaller amount of the total dye production than textiles.

Twenty-five dyes have application in the paper industry. However, the amount of dye consumed is small. Pigments are better colorants for paper than most dyes. This is due to the tendency of these dyes to "bleed" from the paper. Other minor uses for 16 of these dyes include: aqueous inks, plastics, pigments and biological indicators.

Attachment C lists industrial categories which use both dyes and pigments and therefore are potential users of benzidine and benzidine-related dyes. Relevant dye users and estimates of usage by use category are:

Table C-1: Textile Industry 66%
Table C-4: Paper and Pulp Industry 17%
Table C-5: Leather Tanners 10%
Table C-8: Aqueous Ink
Table C-9: Plastics Industry } 7%

TABLE 6-2

DYES NO LONGER PRODUCED IN THE UNITED STATES*

1. **Benzidine**

CI No.	CI Name
22010	Direct Yellow 24
22040	Direct Brown 56
22135	Direct Orange 25
22145	Direct Red 10
22150	Direct Red 17
22155	Direct Red 13
22190	Direct Orange 101
22195	Acid Orange 45
22200	Direct Red 60
22238	Acid Red 323
22240	Direct Red 37
22250	Direct Yellow 1
22280	Direct Red 18
22305	Direct Red 29
22306	Direct Red 33
22345	Direct Brown 59
22360	Direct Red 88
22370	Direct Orange 1
22375	Direct Orange 1
22380	Direct Orange 2
22410	Direct Yellow 20
22420	Direct Red 59
22430	Direct Orange 1
22455	Direct Blue 230
22475	Direct Blue 16
22480	Direct Violet 22
22500	Direct Red 44
22505	Direct Blue 42
22550	Direct Violet 12

* These dyes were not identified as available in the U.S. according to the 1976 Color Index. Non-production was further verified by contacting the manufacturers.

TABLE 6-2 (Continued)

DYES NO LONGER PRODUCED IN THE

UNITED STATES

1. **Benzidine** (Continued)

CI No.	CI Name
22555	Direct Violet 4
22565	Direct Blue 48
22570	Direct Violet 1
22580	Direct Black 29
22590	Direct Blue 2
22595	Direct Blue 64
22620	Direct Black 15
30035	Direct Brown 7
30045	Direct Brown 1
30050	Direct Brown 79
30055	Direct Brown 61
30135	Direct Brown 5
30150	Direct Brown 175
30155	Direct Brown 21
30165	Direct Brown 173
30220	Direct Green 39
30225	Direct Green 58
30240	Direct Black 11
30270	Direct Black 131
30290	Direct Green 12
30310	Direct Green 9
30315	Direct Green 8
30336	Acid Black 94
30345	Direct Black 14
30350	Direct Blue 11
31700	Direct Brown 24
31705	Direct Brown 57
31710	Direct Brown 51
31720	Direct Brown 62
31725	Direct Brown 27
31730	Direct Brown 26

TABLE 6-2 (Continued)

DYES NO LONGER PRODUCED IN THE UNITED STATES

1. **Benzidine** (Continued)

CI No.	CI Name
31735	Direct Brown 54
31740	Direct Brown 101
31760	Direct Black 40
31775	Direct Green 22
31785	Direct Brown 46
31810	Direct Black 27
31850	Direct Black 83
35060	Direct Brown 39
35075	Direct Black 34
35415	Direct Black 100
35700	Direct Brown 43
35710	Direct Brown 13
35715	Direct Brown 14
35720	Direct Brown 215
36030	Direct Brown 25
	Direct Black 41

2. **3,3'-Dichlorobenzidine**

CI No.	CI Name
23040	Direct Red 61
23050	Direct Red 46

3. **3,3'-Dimethoxybenzidine (dianisidine) derived dyes**

CI No.	CI Name	
23150	Direct Blue 95	
23160	Direct Blue 84	
24065	Direct Blue 136	
24100	Direct Red 7	
24105	Direct Violet 32	Azo Violet
24110	Direct Black 87	

TABLE 6-2 (Continued)
DYES NO LONGER PRODUCED IN THE UNITED STATES

3. 3,3'-Dimethoxybenzidine (dianisidine) derived dyes (Continued)

CI No.	CI Name
24115	Direct Black 86
24125	Acid Red 128
24145	Direct Blue 35
24155	Direct Blue 9
24185	Direct Blue 168
24220	Direct Blue 65
24270	Direct Blue 37
24340	Direct Blue 10
24360	Direct Blue 152
24370	Direct Violet 37
24380	Direct Blue 4
30395	Direct Black 20
31955	Direct Blue 30
35110	Direct Blue 150

4. 3,3'-dimethylbenzidine (o-tolidine) derived dyes

CI No.	CI Name
23380	Direct Orange 7
23520	Direct Violet 21
23560	Direct Red 21
23565	Direct Red 22
23640	Direct Yellow 2
23655	Direct Orange 31
23660	Direct Yellow 48
23665	Direct Orange 30
23675	Direct Black 30
23690	Direct Blue 31
23705	Direct Blue 3
23710	Direct Blue 21
23830	Direct Blue 231
31885	Direct Brown 52
31910	Direct Blue 63
31925	Direct Black 24

TABLE 6-3. DYES WITH NO KNOWN PRODUCER
(DOMESTIC OR FOREIGN)

1. Benzidine

CI No.	CI Name	
21060	Direct Dye	Pryramidol Brown
22000	Direct Dye	Congo GRA
22020	Direct Dye	Diazo Violet R
22030	Direct Brown 86	
22035	Direct Dye	Diazo Brown R Extra
22045	Direct Brown 165	
22046	Direct Violet 88	Cresotine Dark Violet
22050	Direct Dye	Diamine Brown S
22060	Direct Dye	Pyramine Orange 3G
22070	Direct Dye	Pyramine Orange RR
22080	Direct Dye	Paranil Bordeaux B
22090	Oxamine Scarlet B	
22095	Direct Dye	Oxamine Red B
22100	Direct Dye	Oxamine Orange G
22110	Direct Dye	Diazo Black R Extra
22125	Direct Dye	Glycine Red
22160	Direct Dye	Brilliant Congo G
22170	Direct Red 74	
22175	Direct Dye	Chlorazol Orange 2R
22180	Direct Red 42	
22205	Direct Red 43	
22210	Direct Dye	Zambesi Brown 6C
22220	Direct Dye	Glycine Corinth
22230	Direct Dye	Para Green BBL
22255	Acid Dye	Cloth Orange
22270	Mordant Dye	Cloth Brown R
22275	Mordant Dye	Palatine Chrome Red RX
22285	Acid Dye	Cloth Brown C
22290	Direct Red 52	
22300	Direct Dye	Oxamine Maroon
22315	Direct Green 60	
22320	Direct Dye	Diazol Brown MS
22325	Direct Brown 60	
22330	Direct Dye	Triazol Red 6B

TABLE 6-3. (Continued)

DYES WITH NO KNOWN PRODUCER (DOMESTIC OR FOREIGN)

1. **Benzidine** (Continued)

CI No.	CI Name	
22335	Direct Dye	Diphenyl Brown RN
22340	Direct Brown 58	
22385	Direct Orange 33	
22390	Direct Dye	Alkali Yellow R
22400	Acid Dye	Wool Red G
22405	Direct Red 53	
22415	Direct Dye	Oxamine Red BN
22440	Direct Violet 43	
22445	Direct Violet 3	
22450	Direct Violet 42	
22460	Direct Violet 27	
22465	Direct Violet 17	
22485	Direct Blue 19	
22490	Direct Blue 58	
22510	Direct Violet 45	
22520	Direct Violet 85	
22530	Direct Dye	Alkali Dark Brown ,G,V
22540	Direct Blue 49	
22545	Direct Dye	Direct Gray R
22585	Direct Dye	Naphthamine Black RE
22600	Direct Dye	Diamine Nitrazol Green BB
22605	Direct Dye	Naphthamine Blue 2B
22625	Direct Blue 177	
22630	Direct Violet 38	
30040	Direct Brown 171	
30060	Direct Brown 20	
30065	Direct Dye	Columbia Catechine R
30070	Direct Brown 158	
30075	Direct Dye	Benzo Brown RC
30080	Direct Dye	Direct Fast Brown B
30085	Direct Dye	Diazo Brown V
30090	Direct Blue 38	
30095	Direct Dye	Naphthamine Orange NG
30100	Direct Brown 17	
30105	Direct Dye	Oxamine Brown GRX

TABLE 6-3. (Continued)

DYES WITH NO KNOWN PRODUCER (DOMESTIC OR FOREIGN)

1. Benzidine (Continued)

CI No.	CI Name	
30125	Direct Brown 68	
30130	Direct Dye	Toluylene Black Blue G
30170	Direct dye	Dianil Black N
30175	Direct Dye	Dianil Black G
30180	Direct Dye	Dianil Black R
30190	Direct Dye	Triazol Bordeaux B
30195	Direct Dye	Triazol Corinth B
30200	Direct Dye	Triazol Dark Blue 3R
30205	Direct Blue 43	
30210	Direct Dye	Columbia Black Green D
30215	Direct Dye	Columbia Green
30230	Direct Dye	Naphthamine Blue BE
30250	Direct Dye	Columbia Violet Black O
30255	Leather	Chrome Leather Black M
30260	Acid Black 69	
30265	Direct Dye	Chloramine Black N
30275	Acid Black 66	
30285	Direct Green 10	
30300	Direct Dye	Diphenyl Green G
30305	Direct Green 19	
30320	Direct Dye	Diphenyl Green 3G
30325	Direct Brown 75	
30330	Direct Green 7	
30335	Direct Dye	Artificial Silk Black AS Extra
30340	Direct Blue 51	
30355	Acid Black 70	
30360	Direct Dye	Eboli Green B,CW,S,ST,T
31685	Direct Brown 151	
31690	Direct Dye	Benzo Chrome Brown CR
31695	Direct Dye	Diamine Brown R
31715	Direct Dye	Chromanil Brown GG
31745	Direct Dye	Benzo Chrome Brown 3R

TABLE 6-3. (Continued)

DYES WITH NO KNOWN PRODUCER (DOMESTIC OR FOREIGN)

1. **Benzidine** (Continued)

CI No.	CI Name	
31750	Direct Brown 190	
31755	Direct Brown 159	
31765	Direct Dye	Diamine Catechine BNF
31770	Direct Dye	Benzo Grey S Extra
31780	Direct Dye	Crumpsall Direct Fast Brown E
31790	Direct Green 21	
31793	Direct Dye	Benzo Olive
31795	Direct Dye	Crumpsall Direct Fast Brown O
31800	Direct Dye	Oxamine Violet RR
31805	Direct Dye	Oximine Violet GRF
31815	Direct Dye	Dianil Dark Blue R
31820	Direct Dye	Direct Black V
31825	Direct Dye	Direct Indigo Blue BK
31830	Direct Dye	Oxamine Black MB
31835	Direct Dye	Direct Indone Blue R
31845	Direct Dye	Direct Indigo Blue A
31855	Direct Dye	Triazol Blue BB
35065	Direct Dye	Hessian Brown BBN, O
35070	Direct Dye	Toluylene Black G 40
35080	Direct Dye	Diazo Navy Blue R
35085	Direct Blue 131	
35210	Direct Brown 127	
35220	Direct Dye	Mekong Yellow G
35240	Direct Dye	Diazo Brown NR
35400	Direct Dye	Triazol Indigo Blue
35530	Direct Brown 70	
35535	Direct Brown 73	
35650	Direct Dye	Naphthamine Fast Brown N2
35900	Direct Dye	Direct Heliotrope B
36040	Direct Dye	Dianil Fast Brown B
36210	Direct Dye	Oxydiamine Brown RN
22140	Direct Dye	
22165	Direct Dye	
22260	Direct Dye	Brilliant Direct Orange
22322	Direct Green 21:1	
22640	Direct Dye	

TABLE 6-3. (Continued)

DYES WITH NO KNOWN PRODUCER (DOMESTIC OR FOREIGN)

Benzidine (Continued)

CI No.	CI Name	
30110	Direct Brown 1:2	
30115	Direct Dye	Oxamine Brown GNX
30315	Direct Green 8	
31840	Direct Dye	Melogene Blue BH
30160	Direct Dye	

2. 3,3'-Dichlorobenzidine

CI No.	CI Name	
23045	Direct Dye	Dianol Red B
23070	Direct Dye	Triazogen Red BB

3. 3,3'-Dimethoxybenzidine (o-dianisidine) derived dyes

CI No.	CI Name	
24330	Direct Dye	Indazurine 5GM
24415	Direct Blue 76	
24050	Direct Dye	Oxamine Black BR
24060	Direct Dye	Diazo Blue 3R
24070	Direct Dye	Diazo Sky Blue 3G
24075	Direct Dye	Diazo Blue
24080	Direct Violet 13	
24090	Direct Dye	Diazo Black 3B
24120	Direct Dye	Heliotrope B
24130	Direct Green 57	
24150	Direct Blue 36	
24160	Direct Dye	Indazurine GM
24165	Direct Dye	Direct Blue B
24170	Direct Blue 12	
24180	Direct Dry	Para Blue G
24190	Direct Dye	Brilliant Azurine R
24195	Direct Dye	Diamine New Blue R
24200	Direct Dye	Oxamine Blue GN
24205	Direct Blue 50	
24210	Direct Dye	Brilliant Azurine BR
24215	Direct Dye	Triazol Pure Blue R

TABLE 6-3. (Continued)
DYES WITH NO KNOWN PRODUCER (DOMESTIC OR FOREIGN)

3. 3,3'-Dimethoxybenzidine (o-dianisidine) derived dyes (Continued)

CI No.		CI Name
24225	Direct Dye	Oxamine Blue 3B
24230	Direct Dye	Brilliant Cooper Blue BW
24240	Direct Dye	Titan Blue 3B
24250	Direct Dye	Trisulfon Blue B
24260	Direct Dye	Chlorazol Brilliant Blue 8B,10B,10B,12B, &R
24290	Direct Dye	Zambesi Blue B
24300	Direct Dye	Triazol Blue R
24310	Direct Blue 45	
24320	Direct Dye	Indazurine B
24325	Direct Dye	Indazurine B
24335	Direct Dye	Brilliant Azurine 5G
24345	Direct Dye	Naphthamine Brilliant Blue BWOF
24350	Direct Dye	Cupramine Brilliant Blue RB
24355	Direct Dye	Union Blue 3R
24361	Direct Dye	Diazo Fast Black 3B
24365	Direct Dye	Benzoform Blue G Extra
24375	Direct Dye	Zambesi Black BR
24385	Direct Dye	Para Dark Green 3B
24390	Direct Dye	Benzo Cyanine 3B
24395	Direct Dye	Chicago Blue 4B
24405	Direct Blue 23	
24420	Direct Dye	Benzo Gast Chrome Blue
31940	Direct Dye	Columbia Black B
31945	Direct Dye	Benzoform Violet B
31950	Direct Dye	Oxamine Blue BB
31951	Direct Blue 183	
31960	Direct Dye	Oxamine Blue BT
31965	Direct Dye	Oxamine Blue MD
31970	Direct Dye	Oxamine Black MO
35680	Direct Dye	Trisulfon Brown 2G
35730	Direct Dye	Columbia Black TB

TABLE 6-3. (Continued)

DYES WITH NO KNOWN PRODUCER (DOMESTIC OR FOREIGN)

4. 3,3'-Dimethylbenzidine (o-tolidine) derived dyes

CI No.		CI Name
23720	Direct Dye	Benzo azurine 4RT67
21150	Direct Dye	Pyramidol Brown T
23350	Direct Dye	Oxamine Violet GR
23360	Direct Brown 147	
23385	Direct Dye	Toluylene Orange G
23390	Direct Dye	Toluylene Black Blue RO
23400	Direct Dye	Azo Mauve B
23505	Direct Red 67	
23510	Direct Red 15	
23515	Direct Red 68	
23530	Direct Dye	Benzopurpurine 6B
23540	Direct Dye	Diazo Brilliant Black R
23550	Direct Dye	Naphthazurin B
23570	Direct Red 34	
23580	Direct Dye	Rosazurin G
23585	Direct Dye	Brilliant Congo 2R
23590	Direct Dye	Rosazurine B
23595	Direct Dye	Rosazurine G
23600	Direct Red 56	
23605	Direct Orange 13	
23610	Direct Dye	Rosazurine B
23620	Direct Dye	Para Green G
23625	Direct Dye	Diamine Bordeaux S
23645	Direct Dye	Triazol Red 10B
23650	Direct Dye	Toluylene Bordeaux B
23680	Direct Violet 39	
23685	Direct Violet 28	
23695	Direct Dye	Indazurine RM
23700	Direct Dye	Direct Blue R
23715	Direct Dye	Para Blue R
23730	Direct Dye	Brilliant Azurine 5R
23740	Direct Dye	Columbia Blue G
23750	Direct Blue 27	

TABLE 6-3. (Continued)

DYES WITH NO KNOWN PRODUCER (DOMESTIC OR FOREIGN)

4. 3,3'-Dimethylbenzidine (o-tolidine) derived dyes (Continued)

CI No.	CI Name	
23760	Direct Dye	Zambezi Blue R
23770	Direct Dye	Chicago Blue RR
23780	Direct Dye	Indazurine TS
23785	Direct Dye	Direct Grey
23795	Direct Dye	Columbia Blue 750
23810	Direct Blue 60	
23820	Direct Dye	Benzo Navy Blue BM
23825	Direct Dye	Zambesi Black R
23835	Direct Dye	Benzo Cyamine B
23840	Direct Dye	Eboli Blue B
23860	Direct Blue 53	
30370	Direct Dye	Azo Cornith
30375	Direct Dye	Dianil Black T
30380	Direct Green 20	
30385	Direct Dye	Benzo Green G
30390	Direct Blue 39	
31875	Direct Dye	Columbia Black R
31880	Direct Dye	Benzo Chrome Black
31890	Direct Dye	Diamineral Black D
31895	Direct Dye	Oxzmine Red MT
31900	Direct Dye	Oxamine Violet BRR
31905	Direct Dye	Benzo Black Blue R
31915	Direct Dye	Oxamine Violet MT
31920	Direct Dye	Benzo Indigo Blue
31935	Direct Dye	Oxamine Black MT
35100	Direct Dye	Hessian Brown MM
35225	Direct Dye	Mekong Yellow R
35230	Direct Dye	Azo Orange R
35670	Direct Dye	Trisulfon Brown C
36220	Direct Dye	Columbia Catechine O

TABLE 6-4. BENZENOID DYES AVAILABLE IN THE UNITED STATES IN 1975

Benzidine-Based	Manufacturer/Importer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Acid Black 94	Crompton & Knowles Corp./Importer	**
Acid Orange 45	*Allied Chemical Corp., Specialty Chemicals Division	**
	American Aniline Products, Inc.	
	Blackman-Uhler Division, Synalloy Corp.	
	Crompton & Knowles Corp./Importer	
	Nyanza, Inc.	
Acid Red 85	*Allied Chemical Corp., Specialty Chemicals Division	P - 67,000 I - 500 S - 65,000
	*Fabricolor Manufacturing Corp.	
	*GAF Corp.	
	American Aniline Products	
	American Cyanamid Co.,	
	Atlantic Chemical Corp.	
	Berncolors - Poughkeepsie, Inc.	
	Crompton & Knowles Corp./Importer	
	Nyanza, Inc.	
	Organic Chemical Corp./Importer	
	Tenneco Colors Division	
	Verona Division of Baychem Corp.	
	Young Aniline Works, Inc.	
Direct Black 4	*Fabricolor Manufacturing Corp.	**
	*GAF Corp.	
	Allied Chemical Corp., Specialty Chemicals Division	
	Atlantic Chemical Corp.	
	CIBA - GEIGY	
	Crompton & Knowles Corp.	
	Young Aniline Works, Inc.	

* Identified in both the 1976 Color Index and the ITC file. See Attachment E. All others identified only in 1976 Color Index.

** The ITC does not give statistics when there are less than three producers or when one producer is dominant.

TABLE 6-4. (Continued)

BENZENOID DYES AVAILABLE IN THE UNITED STATES IN 1975

Benzidine-Based	Manufacturer/Importer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Direct Black 38	*Allied Chemical Corp., Specialty Chemicals Division	P - 2,168,000
	*Fabricolor Manufacturing Corp.	
	*GAF Corp.	
	American Cyanamid Co., Organic Chemicals Division	
	Atlantic Chemical Corp.	
	Berncolors - Poughkeepsie, Inc.	
	Crompton & Knowles Corp./Importer	
	E.I. duPont de Nemours & Co.	
	Inmont Corp.	
	L&R Dyestuffs Corp./Importer	
	Organic Chemicals Corp./Importer	
	Peerless Color Co., Inc.	
	Young Aniline Works, Inc.	
Direct Black 131	Young Aniline Works, Inc.	**
Direct Blue 2	*Allied Chemical Corp., Specialty Chemicals Division	I - 11,023
	*Fabricolor Manufacturing Corp.	
	*GAF Corp.	
	American Cyanamid Co., Organic Chemicals Division	
	Crompton & Knowles Corp./Importer	
	L&R Dyestuffs Corp./Importer	
	Tenneco Colors Division	
	Young Aniline Works, Inc.	

TABLE 6-4. (Continued)

BENZENOID DYES AVAILABLE IN THE UNITED STATES IN 1975

Benzidine-Based	Manufacturer/Importer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Direct Blue 6	*Allied Chemical Corp., Specialty Chemicals Division	**
	*Fabricolor Manufacturing Corp.	
	*GAF Corp.	
	American Cyanamid Co.	
	Atlantic Chemical Corp.	
	CIBA - GEIGY	
	Crompton & Knowles Corp./Importer	
	Harshaw Chemical Co.	
	Young Aniline Works, Inc.	
Direct Brown 1	*GAF Corp.	**
	American Cyanamid Co.,	
	Atlantic Chemical Corp.	
	Crompton & Knowles Corp./Importer	
	Tenneco Colours Division.	
Direct Brown 2	*Allied Chemical Corp., Specialty Chemicals Division	P - 125,000 I - 2,205 S - 118,000
	*Fabricolor Manufacturing Corp.	
	*GAF Corp.	
	American Cyanamid Co.,	
	Atlantic Chemical Corp.	
	Blackman-Uhler Division, Synalloy Corp.	
	Crompton & Knowles Corp./Importer	
	Harshaw Chemical Co.	
	Nyanza, Inc.	
	Young Aniline Works, Inc.	
Direct Brown 5	Crompton & Knowles, Corp./Importer	**

TABLE 6-4. (Continued)

BENZENOID DYES AVAILABLE IN THE UNITED STATES IN 1975

Benzidine-Based	Manufacturer/Importer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Direct Brown 6	*Fabricolor Manufacturing Corp	**
	Allied Chemical Corp., Specialty Chemicals Division	
	Atlantic Chemical Corp.	
	Crompton & Knowles Corp./ Importer	
	GAF Corp.	
Direct Brown 21	Crompton & Knowles Corp./ Importer	**
Direct Brown 25	Blackman-Uhler Division, Synalloy Corp.	**
	Crompton & Knowles Corp./ Importer	
Direct Brown 27	Crompton & Knowles Corp./ Importer	**
	GAF Corp.	
Direct Brown 31	*Allied Chemical Corp., Specialty Chemicals Division	P - 73,000 S - 73,000
	*Atlantic Chemical Corp.	
	*Fabricolor Manufacturing Corp.	
	*GAF Corp.	
	Blackman-Uhler Division, Synalloy Corp.	
	Crompton & Knowles Corp./Importer	
	Harshaw Chemical Co.	
	Young Aniline Works, Inc.	
Direct Brown 39	GAF Corp.	**
Direct Brown 59	American Cyanamid Corp.,	**
	Crompton & Knowles Corp. /Importer	
	Young Aniline Works, Inc.	
Direct Brown 74	*Allied Chemical Corp., Specialty Chemicals Division	**
	Fabricolor Manufacturing Corp.	

TABLE 6-4. (Continued)

BENZENOID DYES AVAILABLE IN THE UNITED STATES IN 1975

Benzidine-Based	Manufacturer/Importer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Direct Brown 95	*Allied Chemical Corp., Specialty Chemicals Division	P - 346,000 I - 11,023 S - 406,000
	*Atlantic Chemical Corp.	
	*Fabricolor Manufacturing Corp.	
	*GAF Corp.	
	Blackman-Uhler Division, Synalloy Corp.	
	Buffalo Color Corp.	
	Crompton & Knowles Corp./Importer	
	Harshaw Chemical Co.	
	Nyanza, Inc.	
	Peerless Color Co., Inc.	
	Verona Division of Baychem Corp.	
	Young Aniline Works, Inc.	
Direct Brown 101	Crompton & Knowles Corp.	**
Direct Brown 154	*Allied Chemical Corp., Specialty Chemicals Division	**
	*Fabricolor Manufacturing Corp.	
	Crompton & Knowles Corp. / Importer	
	Young Aniline Works, Inc.	
Direct Green 1	*Allied Chemical Corp., Specialty Chemicals Division	P - 132,000 I - 747 S - 110,000
	*Fabricolor Manufacturing Corp.	
	*GAF Corp.	
	American Cyanamid Co.	
	Atlantic Chemical Corp.	
	Blackman-Uhler Division, Synalloy Corp.	
	Crompton & Knowles Corp./Importer	
	Young Aniline Works, Inc.	

TABLE 6-4. (Continued)

BENZENOID DYES AVAILABLE IN THE UNITED STATES IN 1975

Benzidine-Based	Manufacturer/Importer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Direct Green 6	*Allied Chemical Corp., Specialty Chemicals Division	I - 250
	*Fabricolor Manufacturing Corp.	
	*GAF Corp.	
	American Cyanamid Corp.	
	Atlantic Chemical Corp.	
	Crompton & Knowles Corp. /Importer	
	Harshaw Chemical Co.	
	Young Aniline Works, Inc.	
Direct Green 8	American Cyanamid Corp.	**
	Berncolors - Poughkeepsie, Inc.	
	GAF Corp.	
	Young Aniline Works, Inc.	
Direct Green 12	Blackman-Uhler Division, Synalloy Corp.	**
	Young Aniline Works, Inc.	
Direct Green 39	GAF Corp.	**
Direct Orange 1	*Allied Chemical Corp., Specialty Chemicals Division	**
	Atlantic Chemical Corp.	
	Blackman - Uhler Division, Synalloy Corp.	
	Crompton & Knowles Corp./ Importer	
	Harshaw Chemical Co.	
	Organic Chemical Co./Importer	
	Verona Division of Baychem Corp.	

TABLE 6-4. (Continued)

BENZENOID DYES AVAILABLE IN THE UNITED STATES IN 1975

Benzidine-Based	Manufacturer/Importer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Direct Orange 8	*Allied Chemical Corp., Specialty Chemicals Division	S - 35,000
	*Fabricolor Manufacturing Corp.	
	*GAF Corp.	
	American Aniline Products, Inc.	
	Atlantic Chemical Corp.	
	Crompton & Knowles Corp. / Importer	
Direct Orange 101	Allied Chemical Corp., Specialty Chemicals Division	**
Direct Red 1	*Allied Chemical Corp., Specialty Chemicals Division	P - 132,000 S - 114,000
	*Fabricolor Manufacturing Corp.	
	*GAF Corp.	
	American Cyanamid Corp.	
	Atlantic Chemical Co.	
	Blackman-Uhler Division, Synalloy Corp.	
	Crompton & Knowles Corp. / Importer	
	Harshaw Chemical Co.	
	Nyanza, Inc.	
	Young Aniline Works, Inc.	
Direct Red 10	*Atlantic Chemical Corp.	I - 55
	Blackman - Uhler Division, Synalloy Corp.	
	Crompton & Knowles Corp./Importer	
	Young Aniline Works, Inc.	

TABLE 6-4. (Continued)

BENZENOID DYES AVAILABLE IN THE UNITED STATES IN 1975

Benzidine-Based	Manufacturer/Importer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Direct Red 13	*Allied Chemical Corp., Specialty Chemicals Division	**
	Atlantic Chemical Corp.	
	Blackman-Uhler Division, Synalloy Corp.	
	Crompton & Knowles Corp. / importer	
	GAF Corp.	
	Harshaw Chemical Corp.	
	Young Aniline Works, Inc.	
Direct Red 28	*Allied Chemical Corp., Specialty Chemicals Division	**
	*Fabricolor Manufacturing Corp.	
	Atlantic Chemical Co.	
	Crompton & Knowles Corp./ Importer	
	Organic Chemical Corp.	
	Peerless Color Co., Inc.	
Direct Red 37	*Allied Chemical Corp., Specialty Chemicals Division	P - 63,000 S - 65,000
	*American Cyanamid Corp.	
	*Fabricolor Manufacturing Corp.	
	*GAF Corp.	
	Atlantic Chemical Corp.	
	Crompton & Knowles Corp. / Importer	
	Harshaw Chemical Co.	
	Young Aniline Works, Inc.	
Direct Violet 1	*Atlantic Chemical Corp.	**
	Allied Chemical Corp., Specialty Chemicals Division	
Direct Violet 22	L&R Dyestuffs Corp.	**
	Nyanza, Inc.	
Direct Yellow 24	Crompton & Knowles Corp. / Importer	**

TABLE 6-4. (Continued)

BENZENOID DYES AVAILABLE IN THE UNITED STATES IN 1975

3,3'-Dichloro-benzidine-Based	Manufacturer/Importer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Direct Red 61	Crompton & Knowles Corp. / Importer	**
3,3'-Dimethyl-benzidine-Based		
Acid Red 114	*Allied Chemical Corp., Specialty Chemicals Division	P - 258,000 S - 288,000
	*Atlantic Chemical Corp.	
	*Crompton & Knowles Corp.	
	*DuPont	
	*GAF Corp.	
	*Toms River Chemical Corp.	
	*Verona Division of Baychem Corp.	
	CIBA-GEIGY	
Direct Blue 14	*Atlantic Chemical Corp.	**
	*Toms River Chemical Corp.	
	Allied Chemical Corp., Specialty Chemicals Division	
	CIBA-GEIGY (U.S.)	
	Crompton & Knowles Corp.	
	Sandoz Colors & Chemicals	
Direct Blue 25	*Atlantic Chemical Corp.	**
	*Toms River Chemical Corp.	
	CIBA-GEIGY (U.S.)	
	Crompton & Knowles Corp.	
	GAF Corp.	
	Young Aniline Works, Inc.	

TABLE 6-4. (Continued)

BENZENOID DYES AVAILABLE IN THE UNITED STATES IN 1975

3,3'-Dimethyl-benzidine-Based	Manufacturer/Importer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Direct Blue 26	Allied Chemical Corp., Specialty Chemicals Division	**
	Atlantic Chemical Corp.	
Direct Orange 6	*American Color & Chemical Corp.	**
	American Aniline Products, Inc.	
	Atlantic Chemical Corp.	
Direct Orange 10	*American Color & Chemical Corp.	**
	American Aniline Products, Inc.	
	Atlantic Chemical Corp.	
	Blackman-Uhler Division, Synalloy Corp.	
Direct Red 2	*American Color & Chemical Corp.	**
	*Atlantic Chemical Corp.	
	*E.I. duPont de Nemours & Co., Inc.	
	*Toms River Chemical Corp.	
	American Aniline Products, Inc.	
	American Color & Chemical Corp.	
	American Cyanamid Co.,	
	Blackman-Uhler Division, Synalloy Corp.	
	CIBA-GEIGY (U.S.)	
	Crompton & Knowles Corp.	
	Sandoz Colors & Chemicals	

TABLE 6-4. (Continued)

BENZENOID DYES AVAILABLE IN THE UNITED STATES IN 1975

3,3'-Dimethyl-benzidine-Based	Manufacturer/Importer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Direct Red 39	*Atlantic Chemical Corp.	P - 43,000 S - 32,000
	*GAF Corp.	
	*Toms River Chemical Corp.	
	Allied Chemical Corp., Specialty Chemicals Division	
	American Cyanamid Co.,	
	CIBA-GEIGY (U.S.)	
	Crompton & Knowles Corp.	
	E.J. duPont de Nemours & Co. Inc.	
	Young Aniline Works, Inc.	
3,3'-Dimethoxy-benzidine-Based		
Acid Red 128	Crompton & Knowles Corp.	**
Direct Black 91	CIBA-GEIGY	**
Direct Blue 1	*Allied Chemical Corp., Specialty Chemicals Division	P - 156,000 S - 174,000
	*American Color & Chemical Corp.	
	*American Cyanamid Co.,	
	*Atlantic Chemical Corp.	
	*E.I. duPont de Nemours & Co., Inc.	
	*Fabricolor Manufacturing Corp.	
	*GAF Corp.	
	*Harshaw Chemical Co.	
	*Sterling Drug, Inc.	
	*Toms River Chemical Corp.	

TABLE 6-4. (Continued)

BENZENOID DYES AVAILABLE IN THE UNITED STATES IN 1975

3,3'-Dimethoxy-benzidine-Based	Manufacturer/Importer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Direct Blue 1 (Continued)	*Verona Division of Baychem Corp.	**
	American Aniline & Chemical Co.	
	Blackman-Uhler Division, Synalloy Corp.	
	CIBA-GEIGY	
	Crompton & Knowles Corp.	
	Nyanza, Inc.	
	Tenneco Colors Division, Tenneco Chemicals, Inc.	
	Young Aniline Works, Inc.	
Direct Blue 4	Atlantic Chemical Corp.	**
Direct Blue 8	*Atlantic Chemical Corp.	P - 30,000 S - 20,000
	*E.I. duPont de Nemours & Co., Inc.	
	*GAF Corp.	
	American Aniline Products, Inc.	
	American Cyanamid Co.,	
	Crompton & Knowles Corp.	
	Harshaw Chemical Co.	
	Young Aniline Works, Inc.	
Direct Blue 10	Crompton & Knowles Corp.	**
	Verona Division of Baychem Corp.	

TABLE 6-4. (Continued)

BENZENOID DYES AVAILABLE IN THE UNITED STATES IN 1975

3,3'-Dimethoxy-benzidine-Based	Manufacturer/Importer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Direct Blue 15	*Allied Chemical Corp., Specialty Chemicals Division	I - 1,896
	*Atlantic Chemical Corp.	
	*E.I. duPont de Numours & Co., Inc.	
	*GAF Corp.	
	*Verona Division of Baychem Corp.	
	American Color & Chemical Corp.	
	Crompton & Knowles Corp.	
	Harshaw Chemical Corp.	
Direct Blue 22	*Atlantic Chemical Corp.	**
	Allied Chemical Corp., Specialty Chemicals Division	
	Crompton & Knowles Corp.	
	GAF Corp.	
	Nyanza, Inc.	
Direct Blue 76	*Allied Chemical Corp., Specialty Chemicals Division	I - 44,000 S - 53,000
	*American Color & Chemical Corp.	
	*Atlantic Chemical Corp.	
	*Crompton & Knowles	
	*GAF Corp.	
	*Toms River Chemical Corp.	
	Verona Division of Baychem Corp.	
Direct Blue 98	*Harshaw Chemical Co.	P - 107,000 S - 141,000
	Atlantic Chemical Corp.	
	Crompton & Knowles Corp.	
	Fabricolor Manufacturing Corp.	
	GAF Corp.	
	Sandoz Colors & Chemicals	
	Toms River Chemical Corp.	
	Verona Division of Baychem Corp.	

TABLE 6-4. (Continued)

BENZENOID DYES AVAILABLE IN THE UNITED STATES IN 1975

3,3'-Dimethoxy-benzidine-Based	Manufacturer/Importer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Direct Blue 136	*GAF Corp.	**
Direct Blue 151	*Atlantic Chemical Corp.	**
	*Toms River Chemical Corp.	
	Crompton & Knowles Corp.	
Direct Blue 218	*American Color & Chemical Corp.	P - 1,045,000 S - 1,309,000
	*Atlantic Chemical Corp.	
	*E.I. duPont de Nemours & Co., Inc.	
	*Fabricolor Manufacturing Corp.	
	*GAF Corp.	
	*Sterling Drug, Inc.	
	*Toms River Chemical Corp.	
	*Verona Division of Baychem Corp.	
	CIBA-GEIGY (U.S.)	
	Crompton & Knowles Corp.	
	Sandoz Colors & Chemicals	
Direct Red 7	*Atlantic Chemical Corp.	**
	Crompton & Knowles Corp.	
	Young Aniline Works, Inc.	

Table 6-5. Domestic Producers of Benzidine-Related Dyes That Have Terminated Production of Benzidine-Related Dyes

Manufacture	Year of Termination	Dye Type
American Cyanamid Co., Organic Chemicals Div.	1973	Benzidine Based
CIBA-GEIGY	1973	Benzidine Based
E.I. duPont de Nemours & Co., Inc.	1973	Benzidine Based
American Aniline Products	Pre 1975	Benzidine Related
Berncolors - Poughkeepsie, Inc.	Pre 1975	Benzidine Related
Blackman-Uhler Division, Synalloy Corp.	Pre 1975	Benzidine Based
Crompton & Knowles Corp.	Pre 1975	Benzidine Based
Harshaw Chemical Co.	Pre 1975	Benzidine Based
Nyanza, Inc.	Pre 1975	Benzidine Based
Peerless Color Co., Inc.	Pre 1975	Benzidine Related
Sandoz Colors & Chemicals	Pre 1975	Benzidine Related
Tenneco Colors Division	Pre 1975	Benzidine Related
Verona Division of Baychem Corp.	Pre 1975	Benzidine Based
Young Aniline Works, Inc.	Pre 1975	Benzidine Related
Allied Chemical Co., Specialty Chemicals Division	1977	Benzidine Related
GAF Corp.	1978	Benzidine Related

TABLE 6-6. BENZENOID DYES AVAILABLE IN THE UNITED STATES IN 1976

Benzidine-Based	Manufacturer/Importer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Acid Red 85	Allied Chemical Corp., Specialty Chemicals Division	P - 72,000 I - 2,190 S - 75,000
	Fabricolor Manufacturing Corp.	
	GAF Corp.	
Direct Black 4	Fabricolor Manufacturing Corp.	*
	GAF Corp.	
Direct Black 38	Allied Chemical Corp., Specialty Chemicals Division	P - 3,759,000 I - 70,753 S - 3,923,000
	American Cyanamid Co., Organic Chemicals Division	
	Fabricolor Manufacturing Corp.	
	GAF Corp.	
	Toms River Chemical Corp.	
Direct Blue 2	Allied Chemical Corp., Specialty Chemicals Division	P - 771,000 I - 38,478 S - 771,000
	Fabricolor Manufacturing Corp.	
	GAF Corp.	
Direct Blue 6	Allied Chemical Corp., Specialty Chemicals Division	*
	Fabricolor Manufacturing Corp.	
	GAF Corp.	
Direct Brown 1	GAF Corp.	I - 5,688
Direct Brown 2	Allied Chemical Corp., Specialty Chemicals Division	P - 188,000 I - 18,739 S - 198,000
	Fabricolor Manufacturing Corp.	
	GAF Corp.	
Direct Brown 6	Fabricolor Manufacturing Corp.	I - 5,512

NOTE: The source of all manufacturer and production and report data is ITC documents. See Attachment E.

* The ITC does not give statistics when there are less than three producers or when one producer is dominant.

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TABLE 6-6. (Continued)

BENZENOID DYES AVAILABLE IN THE UNITED STATES IN 1976

Benzidine-Based	Manufacturer/Importer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Direct Brown 31	Allied Chemical Corp., Specialty Chemicals Division	P - 47,000 S - 42,000
	Atlantic Chemical Corp.	
	Fabricolor Manufacturing Corp.	
	GAF Corp.	
Direct Brown 74	Allied Chemical Corp., Specialty Chemicals Division	*
	Fabricolor Manufacturing Corp.	
Direct Brown 95	Allied Chemical Corp., Specialty Chemicals Division	P - 595,000 I - 8,205 S - 532,000
	Atlantic Chemical Corp.	
	Fabricolor Manufacturing Corp.	
	GAF Corp.	
Direct Brown 154	Allied Chemical Corp., Specialty Chemicals Division	*
	Fabricolor Manufacturing Corp.	
Direct Green 1	Allied Chemical Corp., Specialty Chemicals Division	P - 169 S - 216
	Fabricolor Manufacturing Corp.	
	GAF Corp.	
	Toms River Chemical Corp.	
Direct Green 6	Allied Chemical Corp., Specialty Chemicals Division	*
	Fabricolor Manufacturing Corp.	
	GAF Corp.	
Direct Orange 8	Allied Chemical Corp., Specialty Chemicals Division	I - 4,066 S - 83,000
	Fabricolor Manufacturing Corp.	
	GAF Corp.	
Direct Red 1	Allied Chemical Corp., Specialty Chemicals Division	P - 62,000 S - 82,000
	Fabricolor Manufacturing Corp.	
	GAF Corp.	

TABLE 6-6. (Continued)

BENZENOID DYES AVAILABLE IN THE UNITED STATES IN 1976

Benzidine-Based	Manufacturer/Importer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Direct Red 13	Allied Chemical Corp., Specialty Chemicals Division	*
Direct Red 28	Allied Chemical Corp., Specialty Chemicals Division	
	Fabricolor Manufacturing Corp.	
Direct Red 37	Allied Chemical Corp., Specialty Chemicals Division	
	GAF Corp.	
3,3'-Dimethyl-benzidine-Based		
Acid Red 114	Atlantic Chemical Corp.	P - 314,000 I - 3,079 S - 275,000
	Crompton & Knowles Corp.	
	E.I. duPont de Nemours & Co., Inc.	
	GAF Corp.	
	Toms River Chemical Corp.	
	Verona Division of Baychem Corp.	
Direct Blue 14	Toms River Chemical Corp.	*
Direct Blue 25	Atlantic Chemical Corp.	*
	Toms River Chemical Corp.	
Direct Blue 26	No Domestic Producer	I - 500
Direct Orange 6	American Color & Chemical Corp.	*
Direct Red 2	American Color & Chemical Corp.	P - 75,000 S - 57,000
	Atlantic Chemical Corp.	
	Fabricolor Manufacturing Corp.	
	Toms River Chemical Corp.	

TABLE 6-6. (Continued)

BENZENOID DYES AVAILABLE IN THE UNITED STATES IN 1976

3,3'-Dimethyl-benzidine-Based	Manufacturer/Importer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Direct Red 39	Atlantic Chemical Corp.	S - 50,000
	GAF Corp.	
	Toms River Chemical Corp.	
3,3'-Dimethoxy-benzidine-Based		
Direct Black 91	CIBA-GEIGY/Importer	I - 3,527
Direct Blue 1	Allied Chemical Corp., Specialty Chemicals Division	P - 236,000 S - 230,000
	Americal Color & Chemical Corp.	
	American Cyanamid Co., Organic Chemicals Division	
	Atlantic Chemical Corp.	
	E.I. duPont de Nemours & Co., Inc.	
	GAF Corp.	
	Harshaw Chemical Co.	
	Nyanza, Inc.	
	Sterling Drug, Inc.	
	Toms River Chemical Corp.	
Direct Blue 8	Atlantic Chemical Corp.	*
	GAF Corp.	
Direct Blue 15	American Color & Chemical Corp.	I - 5,726
	Atlantic Chemical Corp.	
	E.I. duPont de Nemours & Co., Inc.	
	GAF Corp.	
	Verona Division of Baychem Corp.	

TABLE 6-6. (Continued)

BENZENOID DYES AVAILABLE IN THE UNITED STATES IN 1976

3,3'-Dimethoxy-benzidine-Based	Manufacturer/Importer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Direct Blue 22	Atlantic Chemical Corp.	*
Direct Blue 76	American Color & Chemical Corp.	P - 58,000 I - 250 S - 41,000
	Atlantic Chemical Corp.	
	Crompton & Knowles Corp.	
	GAF Corp.	
Direct Blue 98	Crompton & Knowles	P - 139,000 S - 164,000
	GAF Corp.	
	Toms River Chemical Corp.	
Direct Blue 151	Atlantic Chemical Corp.	*
Direct Blue	American Color & Chemical Corp.	P - 1,359,000 S - 1,253,000
	Atlantic Chemical Corp.	
	E.I. duPont de Nemours & Co., Inc.	
	Fabricolor Manufacturing Corp.	
	GAF Corp.	
	Toms River Chemical Corp.	
	Verona Division of Baychem Corp.	
Direct Red 7	Atlantic Chemical Corp.	*

TABLE 6-7. BENZENOID DYES AVAILABLE IN THE UNITED STATES IN 1977

Benzidine-Based	Manufacturer/Importer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Acid Red 85	Fabricolor Manufacturing Corp.	*
	GAF Corp.	
Direct Black 4	Fabricolor Manufacturing Corp.	*
	GAF Corp.	
Direct Black 38	Fabricolor Manufacturing Corp.	I - 49,525
	GAF Corp.	
Direct Blue 2	Fabricolor Manufacturing Corp.	*
	GAF Corp.	
Direct Blue 6	Fabricolor Manufacturing Corp.	*
	GAF Corp.	
Direct Brown 2	Fabricolor Manufacturing Corp.	I - 2,205
	GAF Corp.	
Direct Brown 6	Fabricolor Manufacturing Corp.	*
Direct Brown 31	Fabricolor Manufacturing Corp.	*
	GAF Corp.	
Direct Brown 74	Fabricolor Manufacturing Corp.	*
Direct Brown 95	Buffalo Color Corp.	I - 15,962
	Fabricolor Manufacturing Corp.	
	GAF Corp.	
Direct Brown 154	Fabricolor Manufacturing Corp.	*
Direct Green 1	Fabricolor Manufacturing Corp.	*
	GAF Corp.	

NOTE: The source of all manufacturer information and production and report data is ITC documents. (See Attachment E)

* The ITC does not give statistics when there are less than tree producers or when one producer is dominant.

TABLE 6-7. (Continued)

BENZENOID DYES AVAILABLE IN THE UNITED STATES IN 1977

Benzidine-Based	Manufacturer/Importer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Direct Green 6	Fabricolor Manufacturing Corp.	*
	GAF Corp.	
Direct Red 1	Fabricolor Manufacturing Corp.	I - 4,409
	GAF Corp.	
Direct Red 28	Fabricolor Manufacturing Corp.	*
Direct Red 37	GAF Corp.	*
3,3'-Dimethyl-benzidine-Based		
Acid Red 114	Atlantic Chemical Corp.	P - 240,000 I - 24,200 S - 163,000
	Crompton & Knowles Corp.	
	E.I. duPont de Nemours & Co., Inc.	
	Toms River Chemical Corp.	
Direct Blue 14	Atlantic Chemical Corp.	*
	Toms River Chemical Corp.	
Direct Blue 25	Atlantic Chemical Corp.	*
	Toms River Chemical Corp.	
Direct Orange 6	Atlantic Chemical Corp.	*
Direct Red 2	American Color & Chemical Corp.	P - 81,000 I - 1,102 S - 64,000
	Atlantic Chemical Corp.	
	Toms River Chemical Corp.	
Direct Red 39	Atlantic Chemical Corp.	*
	GAF Corp.	
	Toms River Chemical Corp.	

TABLE 6-7. (Continued)

BENZENOID DYES AVAILABLE IN THE UNITED STATES IN 1977

3,3'-Dimethoxy-benzidine-Based	Manufacturer/Importer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Direct Black 91	CIBA-GEIGY/Importer	I - 3,527
Direct Blue 1	American Color & Chemical Corp.	P - 186,000 S - 145,000
	American Cyanamid Co., Organic Chemicals Division	
	Atlantic Chemical Corp.	
	GAF Corp.	
	Toms River Chemical Corp.	
Direct Blue 8	Atlantic Chemical Corp.	*
Direct Blue 15	American Color & Chemical Corp.	P - 530,000 I - 5,393 S - 514,000
	Atlantic Chemical Corp.	
	E.I. duPont de Nemours & Co., Inc.	
	GAF Corp.	
	Verona Division of Baychem Corp.	
Direct Blue 76	American Color & Chemical Corp.	I - 250
	Atlantic Chemical Corp.	
	Crompton & Knowles Corp.	
	GAF Corp.	
Direct Blue 98	Atlantic Chemical Corp.	P - 278,000 S - 203,000
	Crompton & Knowles Corp.	
	Fabricolor Manufacturing Corp.	
	GAF Corp.	
	Toms River Chemical Corp.	
Direct Blue 151	Atlantic Chemical Corp.	*
	Toms River Chemical Corp.	

TABLE 6-7. (Continued)

BENZENOID DYES AVAILABLE IN THE UNITED STATES IN 1977

3,3'-Dimethoxy-benzidine-Based	Manufacturer/Importer	Production (P)/ Imports (I)/ Sales (S) (lbs)
Direct Blue 218	American Color & Chemical Corp.	I - 888,000
	Atlantic Chemical Corp.	
	E.I. duPont de Nemours & Co., Inc.	
	GAF Corp.	
	Toms River Chemical Corp.	

TABLE 6-8

BENZENOID DYES CURRENTLY AVAILABLE IN THE UNITED STATES

Benzidine Dyes	Current Manufacturer	Importer
Acid Red 85	Fabricolor Mfr. Corp.	L&R Dyestuffs Corp. Crompton & Knowles Corp.
Direct Black 4	Fabricolor Mfr. Corp.	Crompton & Knowles Corp.
Direct Black 38	Fabricolor Mfr. Corp.	L&R Dyestuffs Corp. Crompton & Knowles Corp. Organic Chemical Corp.
Direct Blue 2		Crompton & Knowles Corp.
Direct Blue 6	Fabricolor Mfr. Corp.	L&R Dyestuffs Corp.
Direct Brown 2	Fabricolor Mfr. Corp.	L&R Dyestuffs Corp.
Direct Brown 6	Fabricolor Mfr. Corp.	
Direct Brown 31	Fabricolor Mfr. Corp.	Crompton & Knowles Corp.
Direct Brown 74	Fabricolor Mfr. Corp.	
Direct Brown 95	Fabricolor Mfr. Corp.	L&R Dyestuffs Corp. Crompton & Knowles Corp.
Direct Brown 154	Fabricolor Mfr. Corp.	L&R Dyestuffs Corp. Crompton & Knowles Corp.
Direct Green 1	Fabricolor Mfr. Corp.	
Direct Green 6	Fabricolor Mfr. Corp.	Crompton & Knowles Corp.
Direct Orange 8	Fabricolor Mfr. Corp.	
Direct Red 1	Fabricolor Mfr. Corp.	L&R Dyestuffs Corp.
Direct Red 28	Fabricolor Mfr. Corp.	L&R Dyestuffs Corp. Organic Chemical Corp.

Note: Current manufacturers and importers have been confirmed by personal contact with the producers and importers. Recent production figures could not be obtained.

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TABLE 6-8 (Continued)

BENZENOID DYES CURRENTLY AVAILABLE IN THE UNITED STATES

3,3-Dimethoxy-benzidine Dyes	Current Manufacturer
Direct Black 91	CIBA-GEIGY Crompton & Knowles Corp. Toms River Chemical Corp.
Direct Blue 1	American Colors & Chemical Corp. Atlantic Chemical Corp. BASF CIBA-GEIGY Toms River Chemical Corp. Crompton & Knowles Corp.
Direct Blue 8	Atlantic Chemical Corp.
Direct Blue 15	American Color & Chemical Corp. Atlantic Chemical Corp. BASF E.I. duPont de Nemours & Co., Inc. Verona Division of Baychem Corp. Toms River Chemical Corp.
Direct Blue 22	Atlantic Chemical
Direct Blue 76	American Color & Chemical Corp. Atlantic Chemical Corp. BASF Fabricolor Manufacturing Corp. Crompton & Knowles Corp.
Direct Blue 98	Atlantic Chemical Fabricolor Manufacturing Corp. Atlantic Chemical Corp. Toms River Chemical Corp.
Direct Blue 151	Atlantic Chemical Corp.
Direct Blue 218	American Color & Chemical Corp. Atlantic Chemical Corp. BASF CIBA-GEIGY E.I. duPont de Nemours & Co., Inc. Fabricolor Manufacturing Corp. Crompton & Knowles Corp. Toms River Chemical Corp.

TABLE 6-8 (Continued)

BENZENOID DYES CURRENTLY AVAILABLE IN THE UNITED STATES

3,3'-Dimethyl-benzidine Dyes	Current Manufacturer
Acid Red 114	Atlantic Chemical Corp. CIBA-GEIGY Fabricolor Manufacturing Corp. Crompton & Knowles Corp.
Direct Blue 14	CIBA-GEIGY Toms River Chemical Corp.
Direct Blue 25	CIBA-GEIGY Atlantic Chemical Corp. Toms River Chemical Corp. Crompton & Knowles Corp.
Direct Blue 26	Atlantic Chemical Corp.
*Direct Orange 6	Atlantic Chemical Corp.
Direct Orange 10	Atlantic Chemical Corp.
Direct Red 2	American Color & Chemical Corp. Atlantic Chemical Corp. CIBA-GEIGY Fabricolor Manufacturing Corp. Toms River Chemical Corp. Crompton & Knowles Corp.
Direct Red 39	Atlantic Chemical Corp. Crompton & Knowles Corp.

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*Direct Orange 6 - C.I. #23365 or C.I. #23375.

TABLE 6-9

USES OF DYES CURRENTLY AVAILABLE IN THE UNITED STATES

Dye	Textile Dyeing and Staining			Textile Printing				Leather Coloring	Paper	Aqueous Inks	Pigments	Biological Indicators	Plastics
	Wool	Silk	Man-made Fibers	Wool	Silk	Man-made Fibers	Cotton						
Benzidine													
Acid Red 85	X	X	X	X	X	X		X					X
Direct Black 4	X	X	X	X	X	X		X					
Direct Black 38	X	X	X	X	X	X				X		X	X
Direct Blue 2	X	X	X					X	X				
Direct Blue 6	X	X	X			X		X	X	X		X	
Direct Brown 2	X	X	X			X		X	X		X		
Direct Brown 6	X	X	X					X	X				
Direct Brown 31	X	X	X			X		X	X		X		
Direct Brown 74		X	X					X					
Direct Brown 95	X	X	X		X	X		X	X		X		X
Direct Brown 154	X	X	X		X			X	X				
Direct Green 1	X	X	X		X	X		X	X	X			
Direct Green 6	X	X	X			X		X	X	X	X		
Direct Orange 8	X	X	X			X			X				
Direct Red 1	X	X	X		X	X		X	X		X		
Direct Red 28	X	X	X						X			X	
3,3' - dimethyl													
Acid Red 114	X	X	X	X	X			X					
Direct Blue 14	X	X	X			X		X	X			X	
Direct Blue 25	X	X	X					X					
Direct Blue 26	X	X	X					X	X				
Direct Orange 6			X			X		X	X				
Direct Orange 10	X		X					X	X				
Direct Red 2	X	X	X	X		X		X	X			X	
Direct Red 39	X	X	X			X		X	X				
3,3' - dimethoxy													
Direct Black 91	X	X	X			X		X					
Direct Blue 1	X	X	X			X		X	X	X	X	X	
Direct Blue 8	X	X	X			X			X			X	
Direct Blue 15		X	X					X	X			X	
Direct Blue 22	X	X	X			X		X	X		X		
Direct Blue 76	X	X	X					X	X				
Direct Blue 98	X	X	X					X	X				
Direct Blue 151	X	X	X					X	X				
Direct Blue 218	X	X	X										

7. METHODOLOGY

7. METHODOLOGY

Information on the chemical substances was obtained primarily from manufacturers, users and trade associations. Both published and unpublished sources of information were also searched. The data and technical findings presented in the document were developed by performing the following:

(1) Contact with the International Trade Commission to determine the sources, both domestic and imported, and production volumes of the four principal substances and the 424 individual dyes and pigments.

(2) Search of patents and chemical process literature to determine the production processes for benzidine, 3,3'-dichlorobenzidine, 3,3'-dimethoxybenzidine, and 3,3'-dimethylbenzidine.

(3) Review of the Colour Index for initial determination of producers and uses for each individual dye and pigment.

(4) Contact with the identified producers of benzidine, its homologues and related dyes and pigments to determine the validity of International Trade Commission and Colour Index data, and to acquire the most current information.

(5) Contact with specific associations: Dyes Environmental and Toxicology Organization, Inc., (DETO); Dry Color Manufacturers Association (DCMA); American Association of Textile Chemists and Colorists; and Synthetic Organic Chemical Manufacturers Association, Inc.

(6) Review of numerous reports and documents for additional information including: SRI Chemical Economic Handbook, Kirk-Othmer Encyclopedia of Chemical Technology, Benzidine Derived Dyes and/or Pigments Final Monograph, Criteria for a Recommended Standard . . . Occupational Exposure to o-Tolidine, and the Pigment Handbook.

(7) Contact with EPA Effluent Guidelines Project Officers in the Paint and Ink, Leather Tanning, and Textiles industries to determine dye and pigment usages, if known.

(8) Contact with NIOSH to determine extent of data collection efforts over past year on similar project.

(9) Personal contact with individuals in the industry that are recognized as experts in their field.

In carrying out this task, difficulties were encountered due to the nature of the specific information being sought and due to particular characteristics of the dye and pigments industry itself.

The International Trade Commission is the most inclusive source for production and import data for the United States. Much of the data collected by ITC is accepted in confidence and cannot be released. In addition, ITC gives statistics for an individual chemical only when there are three or more producers, and no one or two of the three are predominant. Also, data are reported for only those items where the volume of production or sales or value of sales exceed certain minimums—5,000 pounds of production or sales or $5,000 of value of sales for dyes, and 1,000 pounds or $1,000 for pigments

The production data obtained from ITC were limited to that which were available in two of their publications—Synthetic Organic Chemicals United States Production and Sales and Imports of Benzenoid Chemicals and Products. A written request from the EPA Project Officer to the ITC, for additional production information, was denied (Attachment B).

The dye and pigment industry is constantly changing. The colorants industry is characterized by the enormous number and variety of products. Colorant producers are subject to the trends of the fashion world; a hue or shade may be in high demand one year and out of style the following year. Accordingly, even manufacturers have problems in predicting quantities that they expect to produce for the dyes.

Furthermore, since the 1976 OSHA regulations on benzidine were promulgated, there has been a rapid decline in the production of benzidine-related substances. Manufacturers and users are switching over to other alternatives or substitutes, judging from production trends.

ATTACHMENT A

ORIGINAL LIST OF 424 DYES AND PIGMENTS

ATTACHMENT A

ORIGINAL LIST OF 424 DYES AND PIGMENTS

1. Benzidine

CI No.	CI Name	Other Names
22000	Direct Dye	Congo GRA
22010	Direct Yellow 24	
22020	Direct Dye	Diazo Violet R
22030	Direct Brown 86	
22035	Direct Dye	Diazo Brown R Extra
22040	Direct Brown 56	
22045	Direct Brown 165	
22046	Direct Violet 88	Cresotine Dark Violet
22050	Direct Dye	Diamine Brown S
22060	Direct Dye	Pyramine Orange 3G
22070	Direct Dye	Pyramine Orange RR
22080	Direct Dye	Paranil Bordeaux B
22090	Direct Dye	Oxamine Scarlet B
22095	Direct Dye	Oxamine Red B
22100	Direct Dye	Oxamine Orange G
22110	Direct Dye	Diazo Black R Extra
22120	Direct Red 28	Congo Red
22125	Direct Dye	Glycine Red
22130	Direct Orange 8	
22135	Direct Orange 25	
22140	Direct Dye	
22145	Direct Red 10	
22150	Direct Red 17	
22155	Direct Red 13	
22160	Direct Dye	Brilliant Congo G
22165	Direct Dye	
22170	Direct Red 74	
22175	Direct Dye	Chlorazol Orange 2R
22180	Direct Red 42	
22190	Direct Orange 101	
22195	Acid Orange 45	
22200	Direct Red 60	
22205	Direct Red 43	
22210	Direct Dye	Zambesi Brown 6G
22220	Direct Dye	Glycine Corinth
22230	Direct Dye	Para Green BBL
22238	Acid Red 323	
22240	Direct Red 37	
22245	Acid Red 85	
22250	Direct Yellow 1	

1. Benzidine (Continued)

CI No.	CI Name	Other Names
22255	Acid Dye	Cloth Orange
22260	Direct Dye	Brilliant Direct Orange
22270	Mordant Dye	Cloth Brown R
22275	Mordant Dye	Palatine Chrome Red RX
22280	Direct Red 18	
22285	Acid Dye	Cloth Brown G
22290	Direct Red 52	
22300	Direct Dye	Oxamine Maroon
22305	Direct Red 29	
22306	Direct Red 33	
22310	Direct Red 1	
22311	Direct Brown 2	
22315	Direct Green 60	
22320	Direct Dye	Diazol Brown MS
22325	Direct Brown 60	
22330	Direct Dye	Triazol Red 6B
22335	Direct Dye	Diphenyl Brown RN
22340	Direct Brown 58	
22345	Direct Brown 59	
22360	Direct Red 88	
22370	Direct Orange 1	
22375	Direct Orange 1	
22380	Direct Orange 2	
22385	Direct Orange 33	
22390	Direct Dye	Alkali Yellow R
22400	Acid Dye	Wool Red G
22405	Direct Red 53	
22410	Direct Yellow 20	
22415	Direct Dye	Oxamine Red BN
22420	Direct Red 59	
22430	Direct Orange 1	
22322	Direct Green 21:1	
21060	Direct Dye	Pyramidol Brown
21080	Pigment Red 39	
22440	Direct Violet 43	
22445	Direct Violet 3	
22450	Direct Violet 42	
22455	Direct Blue 230	
22460	Direct Violet 27	
22465	Direct Violet 17	
22475	Direct Blue 16	
22480	Direct Violet 22	
22485	Direct Blue 19	
22490	Direct Blue 58	
22500	Direct Red 44	

1. Benzidine (Continued)

CI No.	CI Name	Other Names
22505	Direct Blue 42	
22510	Direct Violet 45	
22520	Direct Violet 85	
22530	Direct Dye	Alkali Dark Brown, G,V
22540	Direct Blue 49	
22545	Direct Dye	Direct Grey R
22550	Direct Violet 12	
22555	Direct Violet 4	
22565	Direct Blue 48	
22570	Direct Violet 1	
22580	Direct Black 29	
22585	Direct Dye	Naphthamine Black RE
22590	Direct Blue 2	
22595	Direct Blue 64	
22600	Direct Dye	Diamine Nitrazol Green BB
22605	Direct Dye	Naphthamine Blue 2B
22610	Direct Blue 6	
22620	Direct Black 15	
22625	Direct Blue 177	
22630	Direct Violet 38	
22640	Direct Dye	
30035	Direct Brown 7	
30040	Direct Brown 171	
30045	Direct Brown 1	
30050	Direct Brown 79	
30055	Direct Brown 61	
30060	Direct Brown 20	
30065	Direct Dye	Columbia Catechine R
30070	Direct Brown 158	
30075	Direct Dye	Benzo Brown RC
30080	Direct Dye	Direct Fast Brown B
30085	Direct Dye	Diazo Brown V
30090	Direct Blue 38	
30095	Direct Dye	Naphthamine Orange NG
30100	Direct Brown 17	
30105	Direct Dye	Oxamine Brown GRX
30110	Direct Brown 1:2	
30115	Direct Dye	Oxamine Brown GNX
30120	Direct Brown 154	
30125	Direct Brown 68	
30130	Direct Dye	Toluylene Black Blue G
30135	Direct Brown 5	
30140	Direct Brown 6	
30145	Direct Brown 95	
30150	Direct Brown 175	

1. Benzidine (Continued)

CI No.	CI Name	Other Names
30155	Direct Brown 21	
30160	Direct Dye	
30165	Direct Brown 173	
30170	Direct Dye	Dianil Black N
30175	Direct Dye	Dianil Black G
30180	Direct Dye	Dianil Black R
30190	Direct Dye	Triazol Bordeaux B
30195	Direct Dye	Triazol Corinth B
30200	Direct Dye	Triazol Dark Blue 3R
30205	Direct Blue 43	
30210	Direct Dye	Columbia Black Green D
30215	Direct Dye	Columbia Green
30220	Direct Green 39	
30225	Direct Green 58	
30230	Direct Dye	Naphthamine Blue BE
30235	Direct Black 38	
30240	Direct Black 11	
30245	Direct Black 4	
30250	Direct Dye	Columbia Violet Black O
30255	Leather Dye	Chrome Leather Black M
30260	Acid Black 69 Direct Black 41	
30265	Direct Dye	Chloramine Black N
30270	Direct Black 131	
30275	Acid Black 66	
30280	Direct Green 1	
30285	Direct Green 10	
30290	Direct Green 12	
30295	Direct Green 6	
30300	Direct Dye	Diphenyl Green G
30305	Direct Green 19	
30310	Direct Green 9	
30315	Direct Green 8	
30320	Direct Dye	Diphenyl Green 3G
30325	Direct Brown 75	
30330	Direct Green 7	
30335	Direct Dye	Artificial Silk Black AS Extra
30336	Acid Black 94	
30340	Direct Blue 51	
30345	Direct Black 14	
30350	Direct Blue 11	
30355	Acid Black 70	
30360	Direct Dye	Eboli Green B, CW, S, ST, T
31685	Direct Brown 151	
31690	Direct Dye	Benzo Chrome Brown CR
31695	Direct Dye	Diamine Brown R

1. Benzidine (Continued)

CI No.	CI Name	Other Names
31700	Direct Brown 24	
31705	Direct Brown 57	
31710	Direct Brown 51	
31715	Direct Dye	Chromanil Brown GG
31720	Direct Brown 62	
31725	Direct Brown 27	
31730	Direct Brown 26	
31735	Direct Brown 54	
31740	Direct Brown 101	
31745	Direct Dye	Benzo Chrome Brown 3R
31750	Direct Brown 190	
31755	Direct Brown 159	
31760	Direct Black 40	
31765	Direct Dye	Diamine Catechine BNF
31770	Direct Dye	Benzo Grey S Extra
31775	Direct Green 22	
31780	Direct Dye	Crumpsall Direct Fast Brown E
31785	Direct Brown 46	
31790	Direct Green 21	
31793	Direct Dye	Benzo Olive
31795	Direct Dye	Crumpsall Direct Fast Brown O
31800	Direct Dye	Oxamine Violet RR
31805	Direct Dye	Oxamine Violet GRF
31810	Direct Black 27	
31815	Direct Dye	Dianil Dark Blue R
31820	Direct Dye	Direct Black V
31825	Direct Dye	Direct Indigo Blue BK
31830	Direct Dye	Oxamine Black MB
31835	Direct Dye	Direct Indone Blue R
31840	Direct Dye	Melogene Blue BH
31845	Direct Dye	Direct Indigo Blue A
31850	Direct Black 83	
31855	Direct Dye	Triazol Blue BB
35060	Direct Brown 39	
35065	Direct Dye	Hessian Brown BBN, O
35070	Direct Dye	Toluylene Black G 40
35075	Direct Black 34	
35080	Direct Dye	Diazo Navy Blue R
35085	Direct Blue 131	
35210	Direct Brown 127	
35220	Direct Dye	Mekong Yellow G
35240	Direct Dye	Diazo Brown NR
35400	Direct Dye	Triazol Indigo Blue
35415	Direct Black 100	
35530	Direct Brown 70	

1. Benzidine (Continued)

CI No.	CI Name	Other Names
35535	Direct Brown 73	
35650	Direct Dye	Naphthamine Fast Brown N2
35660	Direct Brown 31	
35700	Direct Brown 43	
35710	Direct Brown 13	
35715	Direct Brown 14	
35720	Direct Brown 215	
35900	Direct Dye	Direct Heliotrope B
36030	Direct Brown 25	
36040	Direct Dye	Dianil Fast Brown B
36210	Direct Dye	Oxydiamine Brown RN
36300	Direct Brown 74	

2. 3,3'-Dichlorobenzidine

CI No.	CI Name	Other Names
21090	Pigment Yellow 12	
21091	Pigment Yellow 63	
21095	Pigment Yellow 14	
21096	Pigment Yellow 55	
21100	Pigment Yellow 13	
21105	Pigment Yellow 17	
21110	Pigment Orange 13	
21115	Pigment Orange 34	
21120	Pigment Red 38	Pyrazolone Red
23040	Direct Red 61	
23045	Direct Dye	Dianol Red B
23050	Direct Red 46	
23070	Direct Dye	Triazogen Red BB

3. 3,3-Dimethoxybenzidine

CI No.	CI Name	Other Names
21160	Pigment Orange 16	
21165	Pigment Orange 14	
21180	Pigment Blue 25	
21185	Pigment Blue 26	
21200	Pigment Red 41	
21205	Pigment Red 37	
21210	Pigment Red 42	
23150	Direct Blue 95	
23155	Direct Blue 98	
23160	Direct Blue 84	
24050	Direct Dye	Oxamine Black BR
24060	Direct Dye	Diazo Blue 3R
24065	Direct Blue 136	
24070	Direct Dye	Diazo Sky Blue 3G
24075	Direct Dye	Diazo Blue
24080	Direct Violet 13	
24090	Direct Dye	Diazo Black 3B
24100	Direct Red 7	
24105	Direct Violet 32	Azo Violet
24110	Direct Black 87	
24115	Direct Black 86	
24120	Direct Dye	Heliotrope B
24125	Acid Red 128	
24130	Direct Green 57	
24140	Direct Blue 8	
24145	Direct Blue 35	
24150	Direct Blue 36	
24155	Direct Blue 9	
24160	Direct Dye	Indazurine GM
24165	Direct Dye	Direct Blue B
24170	Direct Blue 12	
24175	Direct Blue 151	
24180	Direct Dye	Para Blue G
24185	Direct Blue 168	
24190	Direct Dye	Brilliant Azurine R
24195	Direct Dye	Diamine New Blue R
24200	Direct Dye	Oxamine Blue GN
24205	Direct Blue 50	
24210	Direct Dye	Brilliant Azurine RR
24215	Direct Dye	Triazol Pure Blue R
24220	Direct Blue 65	
24225	Direct Dye	Oxamine Blue 3B
24230	Direct Dye	Brilliant Copper Blue BW
24240	Direct Dye	Titan Blue 3B
24250	Direct Dye	Trisulfon Blue B

3. 3,3-Dimethoxybenzidine

CI No.	CI Name	Other Names
24260	Direct Dye	Chlorazol Brilliant Blue 8B, 10B, 10B, 12B & R
24270	Direct Blue 37	
24280	Direct Blue 22	
24290	Direct Dye	Zambesi Blue B
24300	Direct Dye	Triazol Blue R
24310	Direct Blue 45	
24320	Direct Dye	Indazurine B
24325	Direct Dye	Indazurine B
24330	Direct Dye	Indazurine 5GM
24335	Direct Dye	Brilliant Azurine 5G
24340	Direct Blue 10	
24345	Direct Dye	Naphthamine Brilliant Blue BWOF
24350	Direct Dye	Cupramine Brilliant Blue RB
24355	Direct Dye	Union Blue 3R
24360	Direct Blue 152	
24361	Direct Dye	Diazo Fast Black 3B
24365	Direct Dye	Benzoform Blue G Extra
24370	Direct Violet 37	
24375	Direct Dye	Zambesi Black BR
24380	Direct Blue 4	
24385	Direct Dye	Para Dark Green 3B
24390	Direct Dye	Benzo Cyanine 3B
24395	Direct Dye	Chicago Blue 4B
24400	Direct Blue 15	
24401	Direct Blue 218	
24405	Direct Blue 23	
24410	Direct Blue 1	
24411	Direct Blue 76	
24415	Direct Blue 76	
24420	Direct Dye	Benzo Fast Chrome Blue
30395	Direct Black 20	
30400	Direct Black 91	
31940	Direct Dye	Columbia Black B
31945	Direct Dye	Benzoform Violet B
31950	Direct Dye	Oxamine Blue BB
31951	Direct Blue 183	
31955	Direct Blue 30	
31960	Direct Dye	Oxamine Blue BT
31965	Direct Dye	Oxamine Blue MD
31970	Direct Dye	Oxamine Black MO
35110	Direct Blue 150	
35680	Direct Dye	Trisulfon Brown 2G
35730	Direct Dye	Columbia Black TB

4. 3,3-Dimethylbenzidine

CI No.	CI Name	Other Names
21130	Pigment Orange 15	
21135	Pigment	Vulcan Fast Yellow R
21150	Direct Dye	Pyramidol Brown T
23350	Direct Dye	Oxamine Violet GR
23360	Direct Brown 147	
23365	Direct Orange 6	
23370	Direct Orange 10	
23375	Direct Orange 6	
23380	Direct Orange 7	
23385	Direct Dye	Toluylene Orange G
23390	Direct Dye	Toluylene Black Blue RO
23400	Direct Dye	Azo Mauve B
23500	Direct Red 2	
23505	Direct Red 67	
23510	Direct Red 15	
23515	Direct Red 68	
23520	Direct Violet 21	
23530	Direct Dye	Benzopurpurine 6B
23540	Direct Dye	Diazo Brilliant Black R
23550	Direct Dye	Naphthazurin B
23560	Direct Red 21	
23565	Direct Red 22	
23570	Direct Red 34	
23580	Direct Dye	Rosazurin G
23585	Direct Dye	Brilliant Congo 2R
23590	Direct Dye	Rosazurine B
23595	Direct Dye	Rosazurine G
23600	Direct Red 56	
23605	Direct Orange 13	
23610	Direct Dye	Rosazurine B
23620	Direct Dye	Para Green G
23625	Direct Dye	Diamine Bordeaux S
23630	Direct Red 39	
23635	Acid Red 114	
23640	Direct Yellow 2	
23645	Direct Dye	Triazol Red 10B
23650	Direct Dye	Toluylene Bordeaux B
23655	Direct Orange 31	
23660	Direct Yellow 48	
23665	Direct Orange 30	
23675	Direct Black 30	
23680	Direct Violet 39	
23685	Direct Violet 28	
23690	Direct Blue 31	
23695	Direct Dye	Indazurine RM

4. 3,3-Dimethylbenzidine

CI No.	CI Name	Other Names
23700	Direct Dye	Direct Blue R
23705	Direct Blue 3	
23710	Direct Blue 21	
23715	Direct Dye	Para Blue R
23720	Direct Dye	Benzo Azurine 4RT 67
23730	Direct Dye	Brilliant Azurine 5R
23740	Direct Dye	Columbia Blue G
23750	Direct Blue 27	
23760	Direct Dye	Zambezi Blue R
23770	Direct Dye	Chicago Blue RR
23780	Direct Dye	Indazurine TS
23785	Direct Dye	Direct Grey
23790	Direct Blue 25	
23795	Direct Dye	Columbia Blue 750
23810	Direct Blue 60	
23820	Direct Dye	Benzo Navy Blue BM
23825	Direct Dye	Zambesi Black R
23830	Direct Blue 231	
23835	Direct Dye	Benzo Cyanine B
23840	Direct Dye	Eboli Blue B
23850	Direct Blue 14	
23860	Direct Blue 53	
30370	Direct Dye	Azo Cornith
30375	Direct Dye	Dianil Black T
30380	Direct Green 20	
30385	Direct Dye	Benzo Green G
30390	Direct Blue 39	
31875	Direct Dye	Columbia Black R
31880	Direct Dye	Benzo Chrome Black G
31885	Direct Brown 52	
31890	Direct Dye	Diamineral Black D
31895	Direct Dye	Oxamine Red MT
31900	Direct Dye	Oxamine Violet BRR
31905	Direct Dye	Benzo Black Blue R
31910	Direct Blue 63	
31915	Direct Dye	Oxamine Violet MT
31920	Direct Dye	Benzo Indigo Blue
31925	Direct Black 24	
31930	Direct Blue 26	
31935	Direct Dye	Oxamine Black MT
35100	Direct Dye	Hessian Brown MM
35225	Direct Dye	Mekong Yellow R
35230	Direct Dye	Azo Orange R
35670	Direct Dye	Trisulfon Brown G
36220	Direct Dye	Columbia Catechine O

ATTACHMENT B

UNITED STATES INTERNATIONAL TRADE COMMISSION RESPONSE

ATTACHMENT B

UNITED STATES
INTERNATIONAL TRADE COMMISSION
WASHINGTON, D.C. 20436

OFFICE OF THE SECRETARY

MAR 20 1979

Mr. Henry P. Lau
Office of Toxic Substances
United States Environmental
Protection Agency
Washington, D.C. 20460

Dear Mr. Lau:

The United States International Trade Commission has received your letter of February 28, 1979, requesting that we provide certain import and production data on Benzidine and its derivatives, mainly dyes.

Production statistics and the names of manufacturers of individual chemicals, dyes, and pigments are given in the Commission's annual report, Synthetic Organic Chemicals, United States Production and Sales. The reports for 1975-1977 are enclosed; the data of interest are in Sections III, IV, and V. The 1978 report will be published around October, 1979.

Of the more than 400 chemicals and dyes named in your letter, only about 45 are manufactured in the United States. Production data are given in our reports for less than a third of the latter group. Data for the remaining chemicals are business confidential information which we are unable to provide.

Your letter is similar to a request for business confidential data on June 8, 1977, by the General Counsel of EPA, which the Commission decided should not be released.

The Commission's annual report, Imports of Benzenoid Chemicals and Products, shows the quantities imported. The reports for the years 1975-1977 are enclosed; the data desired by you are in Tables 3, 9, and 10. It will be noted in the explanatory section that our data do not cover all ports. Therefore, for dyes, for example, data are believed to account for approximately 85 percent of total imports. The data for 1978 are presently being compiled and are expected to be published in July, 1979.

Please continue to call on us whenever we can be of assistance.

Sincerely yours,

Kenneth R. Mason
Secretary

Enclosures

ATTACHMENT C

USER CATEGORIES

TABLE C-1: TEXTILE INDUSTRY

DYERS

WOOL OR WORSTED

Dye Masters Inc., Sub. of National Spinning Co.,
Long Beach, California
Stevens, J. P. & Co., Inc., Woolen & Womenswear Div.
Louisville, Georgia
Morgan Plant of Carol Spinning Co.
Rochelle, Illinois
Eastland Woolen Mills, Inc.
Corinna, Me.
Robinson Mfg. Co.
Oxford, Me.
Wyandotte Industries Corp., Div. of First Hartford Corp.
Waterville, Me.
Attleboro Dye & Finish Corp.
Seekonk, Mass.
Dyecraftsmen, Inc.
Taunton, Mass.
Dorman Mills Inc.
Ware, Mass.
Anglo Fabrics Co., Inc.
Webster, Mass.
Amtex Yarn Corporation
Fair Lawn, N. J.
United Wool Piece Dyeing and Finishing Co.
Passaic, N. J.
Allied Textile Printers Corp.
Paterson, N. J.
Paterson Bleachery & Chemicals, Inc.
Paterson, N. J.
Spinnerin Yarn Co., Inc.
South Hackensack, N. J.
Nylor Knit Goods Dyeing Corp.
Brooklyn, N. Y.
Eastern Piece Dye Works, Inc.
Long Island City, N. Y.

DYERS WOOL

Atlantic Yarns, A Div. of Robison Rayon Co., Inc.
New York City, N. Y.

Malina Co., Inc.
New York City, N. Y.

Robison Rayon Co., Inc.
New York City, N. Y.

Anchor Dyeing & Finishing Co., Inc. Sub. of Amicale Inds.
Philadelphia, Pa.

Calendonian Dye Works
Philadelphia, Pa.

Jefferies Processors, Inc.
Philadelphia, Pa.

Jola Dyers & Finishers, Inc.
Quakertown, Pa.

Comet Dye Works, Inc.
Johnston, R. I.

Atlantic Yarns, A Div. of Robison Rayon Co. Inc.
Providence, R. I.

Malina Co. Inc.,
Providence, R. I.

Robison Rayon Co, Inc.
Providence, R. I.

Dursin, M. & Sons, Inc.
Woonsocket, R. I.

Florence Dye Works,
Woonsocket, R. I.

Florence Textile Finishing Co.
Woonsocket, R. I.

Reeves Brothers, Inc., Bishopville Finishing Div.
Bishopville, S. C.

Wendell Fabrics Corp.
Blacksburg, S. C.

Rock River Woolen Mills, Inc. & Rock River Textiles
Brownwood, Texas

El Dorado Woolen Mills, Inc.
El Dorado, Texas

DYERS WOOL

Ludlow Woolens, Inc., Jewell Brook Mills, Inc.
Ludlow, Vt.

Clarksville Finishing Plant of Burlington Menswear,
Div. of Burlington Inds. Inc., Clarksville, Va.

Martin Processing, Inc.
Martinsville, Va.

DYERS SILK

Russell Corp.,
Alexander City, Ala.
Brittany Dyeing & Printing Corp.
New Bedford, Mass.
Oxford Textile Finishing Co., Inc.
Oxford, New Jersey
Narrotex Corp.
Passaic, N. J.
Allied Textile Printers Corp.
Paterson, N. J.
North Jersey Skein Dye Corp.
Paterson, N. J.
Paterson Bleachery & Chemicals, Inc.
Paterson, N. J.
Standard Dye & Finish Co., Inc.
Paterson, N. J.
U. K. Dye Works
Paterson, N. J.
Braendly Dye Works
Beacon, N. Y.
Village Dye Works, Inc.
Brooklyn, N. Y.
Brooks Piece Dye & Finish Corp.
Long Island City, N. Y.
Jeffries Processors, Inc.
Philadelphia, Pa.
Jola Dyers & Finishers, Inc.
Quakertown, Pa.
Holland Thread Co. Inc.
Stroudsburg, Pa.

DYERS

MAN-MADE FIBERS

Russell Corp., Alexander City, Alabama
Tape-Craft Corp., Sub. of Chelsea Inds., Anniston, Alabama
Goodwill Mfg. Co., Brewton, Alabama
Westpoint Pepperell, Lanett, Alabama
Westpoint Pepperell, Opelika Finish., Opelika, Alabama
Spears Carpet Mills, Inc., Hope, Ark.
National Dye & Finishing Corp., Culver City, Calif.
Cal Pacific Dyeing & Finishing Corp., Gardena, Calif.
Dye Masters Inc., Sub. of National Spinning Co., Long Beach, Calif.
Los Angeles Piece Dye Works, Los Angeles, California
Western Dye House, Inc., Los Angeles, California
Alvarado Dye House, Inc., Union City, California
Timberline Fabrics Co., Denver. Colorado
Hull Dye & Print Works, Inc., Derby, Conn.
Glastonbury Dyeing & Finishing Co., Inc., Glastonbury, Conn.
Pond Lily Co., The, New Haven, Conn.
Norwalk Dyeing and Finishing Co., Norwalk, Conn.
Putnam Herzl Finishing Co., Inc., Putnam, Conn.
Amerbelle Corp., The, Rockville, Conn.
Stafford Printers Div., Gaynor-Stafford Inds. Inc., Stafford Springs, Conn.
Wilmington Finishing Co., Wilmington, Del.
American Southern Dye & Finishing, Opa Locka, Fla.
Star Finishing Co., Inc., Div. of Shaw Inds., Dalton, Ga.
Laurens Park Mill, Div. Mohasco Corp., Dublin, Ga.
Barwick, E. T., Industries Inc., La Fayette, Ga.
Kenyon Southern, Inc., Sub. of Kenyon Piece Dyeworks, Inc., Rossville, Ga.
King Finishing Co., Div. of Spartan Mills, Statesboro, Ga.
Thomaston Mills Inc., Thomaston, Ga.
Thomaston Mills Finishing Div., Thomaston, Ga.

DYERS MAN-MADE FIBERS

Chicago Bleachery, Div. of Chas. Schwartz & Co., Chicago, Ill.
National Dye Works, Inc., Chicago, Ill.
Schwartz, Charles & Company, Chicago, Ill.
Western Piece Dyers & Finishers, Inc., Chicago, Ill.
Dodgeville Corp., The, Attleboro, Mass.
Defiance Bleachery, Div. of Defiance-Azon Corp., Barrowsville, Mass.
Easthampton Dye Works, Easthampton, Mass.
Bristol Finishing Co., Inc., Fall River, Mass.
Duro Finishing Corp., Fall River, Mass.
Newport Finishing Corp., Fall River, Mass.
Pioneer Finishing Corp., Fall River, Mass.
Sterling Pile Fabrics Corp., Fall River, Mass.
Bay State Dye & Printing, Div. Mastex Industries, Inc. Holyoke, Mass.
Malden Mills, Inc., Lawrence, Mass.
Brittany Dyeing & Printing Corp., New Bedford, Mass.
Harodite Finishing Co., Inc., North Dighton, Mass.
Attleboro Dye & Finish Corp., Seekonk, Mass.
Swan Finishing Co., Inc. Swansea, Mass.
Dyecraftsmen, Inc., Taunton, Mass.
Farrington Texol Corp., SP Div. Norton Co., Walpole, Mass.
Quality Dyers Inc. of Webster, Webster, Mass.
Straus Knitting Mills Inc., St. Paul, Minn.
Intex Dyeing & Finishing, Div. of Artex International, West Point, Miss.
Ardco Finishing Co., Wellsville, Mo.
Waunbec Dyeing & Finishing Co., Inc., Sub. of Berkshire Hathaway, Inc.
    Manchester, N. H.
Great Falls Bleachery & Dye Works, Div. of Haffenseffer & Co.,
    Somersworth, N. H.
Martin Corp., Bridgeton, N. J.
Advance Piece Dye Works, Inc., Delawanna, N. J.
E & W Piece Dye Works, Inc., East Newark, N. J.
Marijon Dyeing & Finishing Co., Inc., East Rutherford, N. J.
Amtex Yarn Corporation, Fair Lawn, N. J.
Renco Finishing Corp., Fair Lawn, N. J.
United Veil Dyeing & Finishing Co., Jersey City, N. J.

DYERS MAN-MADE FIBERS

Agrest Dyeing Co., Inc., Kearney, N. J.
Eagle Dyeing & Finishing Co., Mount Holly, N. J.
Merlin, Inc., North Bergen, N. J.
North Bergen Piece Dye Works, Inc., North Bergen, N. J.
Oxford Textile Finishing Co., Inc., Oxford, N. J.
Inter-State Dyeing & Finishing Co., Passaic, N. J.
Narrotex Corp., Passaic, N. J.
Sunbrite Dye Co., Inc., Passaic, N. J.
Allied Textile Printers Corp., Paterson, N. J.
Continental Piece Dyeing & Finishing Co., Inc., Paterson, N. J.
Coral Dyeing & Finishing Corp., Paterson, N. J.
Jersey Dyeing Co., Inc., Paterson, N. J.
Leader Dyeing & Finishing Co., Paterson, N. J.
Malan Dyeing & Finishing Co., Inc., Paterson, N. J.
North Jersey Skein Dye Corp., Paterson, N. J.
Paragon Dyeing & Finishing Co., Inc., Paterson, N. J.
Paterson Bleachery & Chemicals, Inc., Paterson, N. J.
Standard Dye & Finish Co., Inc., Paterson, N. J.
Textile Piece Dyeing Co., Inc., Paterson, N. J.
Trio Dyeing & Finishing Co., Inc., Paterson, N. J.
V.T.M. Finishing Corp., Paterson, N. J.
Zenith Dyeing & Finishing Corp., Paterson, N. J.
Spinnerin Yarn Co., Inc., South Hackensack, N. J.
Beacon Tex-Print Ltd., Beacon, N. Y.
Braendly Dye Works, Beacon, N. Y.
Nylor Knit Goods Dyeing Corp., Brooklyn, N. Y.
Petcar Textile Dyers & Finishers, Brooklyn, N. Y.
Scientific Dye Works, Inc., Brooklyn, N. Y,
Village Dye Works, Inc., Brooklyn, N. Y.
Elk Piece Dye Works, Inc., Garnerville, N. Y.
Garner Print Corp., Garnerville, N. Y.
Brooks Piece Dye & Finish Corp., Long Island City, N. Y.
Eastern Piece Dye Works, Inc., Long Island City, N. Y.
Trucolor Dye Works, Inc., Long Island City, N. Y.
Columbia Mills, Inc., The., Minetto, New York
Accurate Dye Works, New York City, N. Y.
Atlantic Yarns, a Div. of Robison Rayon Co., Inc., New York City, N.Y.

DYERS MAN-MADE FIBERS

Eagle Lace Dyeing Corp., New York City, N. Y.
Fisher, George F., Inc., New York City, N. Y.
Jacques A. Dyers, Inc., New York City, N. Y.
Malina Co., Inc., New York City, N. Y.
Robison Rayon Co., Inc., New York City, N.Y.
Wilmington Finishing Co., New York City, N. Y.
World Dyeing & Finishing Co., Inc., New York City, N. Y.
Newburgh Dye & Finish. Corp., Newburgh, N. Y.
Pleasant Valley Finishing Co., Pleasant Valley, N. Y.
Half-Moon Synthetic Yarns, Div. of Laughlin Textile Mills Inc.Waterford, N. Y.
Laughlin Textile Mills, Inc., Waterford, N. Y.
Champagne Dye Works, Inc., Asheboro, N. C.
Broad River Processing Co., Inc., Asheville, N. C.
Sayles Biltmore Bleacheries, Inc., Asheville, N. C.
Slosman Corp., The., Asheville, N. C.
House Fabrics Finishing Plant of Burlington House Decorative Fabrics,
Div. of Burlington Inds., Burlington, N. C.
Mount Hope Finishing Co., Butner, N. C.
Colonial Yarn Products, Charlotte, N. C.
Kerr Finish., Div. of Fabrics America Corp., Concord, N. C.
Lord, William G., Plant of Burlington Sportswear (Galey & Lord Group)
Cramerton, N. C.
The United Piece Dye, Div. of United Piece Dye Works, The.Edenton, N. C.
Holt-Williamson Mfg. Co., Fayetteville, N. C.
Rauch Industries Inc., Gastonia, N. C.
Park Avenue Finishing Corp., Div. of Glen Raven Mills, Glen Raven, N. C.
Cone Mills Corp., Greensboro, N. C.
Proximity Print Works, Cone Mills Corp., Finishing Div., Greensboro, N. C.
Nu-Southern Dyeing & Finishing, Inc., Henderson, N. C.
Hanover Mills, Inc., Sub. of Falk Fibers & Fabrics, Inc., Hillsborough, N.C.
Bur Gra Finishing Co., Kernersville, N. C.
Corlin Div., Linn Corriher Corp., Landis, N. C.
Vel-Cord Southern Corp., Lumberton, N. C.
Morganton Dyeing & Finishing Corp., Morganton, N. C.
Old Fort Finishing Plant (Div. of United Merchants & Manufacturers, Inc.)
Old Fort, N. C.

DYERS MAN-MADE FIBERS

Sheffield Plant of Burlington Decorative Fabrics (Div. of Burlington Ind. Inc.) Rocky Mount, N. C.

North Carolina Finishing Co., Div. of Fieldcrest Mills, Inc. Salisbury, N. C.

Sanford Finishing Corp., Sanford, N. C.

Elmore Corp., Spindale, N. C.

Uniglass Industries, Langley Processing Div., United Merchants & Mfrs. Inc., Statesville, N. C.

Wake Plant of Burlington Men's Wear (Div. of Burlington Industries, Inc.) Wake Forest, N. C.

Hanes Dye & Finishing Co., Winston-Salem, N. C.

Sovelco Mills, Inc., Winston-Salem, N. C.

Cincinnati Thread Co., Cincinnati, Ohio

Hab Industries Inc., Allentown, Pa.

Blue Ridge Winkler Textiles, Div. of Lehigh Valley Inds., Inc., Bangor, Pa.

Synthetic Thread Co., Inc., Bethlehem, Pa.

Quaker State Dyeing & Finishing Inc., Easton, Pa.

United Piece Dye Works Inc., The. Middletown, Pa.

Anchor Dyeing & Finishing Co., Inc., Sub, of Amicale Inds., Philadelphia, Pa.

Bennett, J. T. Co., Philadelphia, Pa.

Calendonian Dye Works, Philadelphia, Pa.

Eagle Silk Dye Works, Philadelphia, Pa.

G & G Dye Works, Inc., Philadelphia, Pa.

Jeffries Processors, Inc. Philadelphia, Pa.

Keystone Dyeing Co., Inc., Philadelphia, Pa.

Repel-A-Rain Co., Philadelphia, Pa.

Sterling Dyeing & Finishing Co., Inc., Philadelphia, Pa.

Gold Mills-Penn Dye Inc., Pine Grove, Pa.

Pottsville Bleaching & Dyeing Co., Port Carbon, Pa.

Hoffner Rayon Co., Quakertown, Pa.

Jola Dyers & Finishers, Inc., Quakertown, Pa.

O. B. Dyers, Reading, Pa.

Holland Thread Co., Inc., Stroudsburg, Pa.

Sunbury Textile Mills, Inc., Sunbury, Pa.

DYERS MAN-MADE FIBERS

Charbert, Inc., Alton, R. I.
Cranston Print Works Co., Cranston, R. I.
Comet Dye Works, Inc., Johnston, R. I.
Kenyon Piece Dyeworks, Inc., Kenyon, R. I.
Holliston Mills, Inc., Lincoln, R. I.
Microfibres, Inc., Pawtucket, R. I.
Slater Dye Works, Inc., Pawtucket, R. I.
Palisades Industries, Inc., Peace Dale, R. I.
Atlantic Yarns, A Div. of Robison Rayon Co., Inc., Providence, R. I.
Malina Co., Inc., Providence, R. I.
Robison Rayon Co., Inc., Providence, R. I.
Rhode Island Lace Works, Inc., Div. of Seekonk Lace Co., W. Barrington, R. I.
Ace Dye & Finish Co., Inc., Royal Mills, West Warwick, R. I.
Hope Valley Dye Corp., West Warwick, R. I.
Northeastern Dye Works, Inc., West Warwick, R. I.
Warwick Dyeing and Finishing Corporation, West Warwick, R. I.
New Bradford Dyeing Association, Inc., Westerly, R. I.
Dursin, M., & Sons, Inc., Woonsocket, R. I.
Quincy Dye Works, Inc., Woonsocket, R. I.
Reeves Brothers, Inc., Bishopville Finishing Div., Bishopville, S. C.
Magnolia Finishing Plant, Div. of Deering Milliken, Inc., Blacksburg, S.C.
Carlisle Finishing Plant, Cone Mills Corp., Finishing Div., Carlisle, S. C.
Cheraw Dyeing & Finishing Co., Div. of Cone Mills Corp., Cheraw, S. C.
Clearwater Finishing Co., (Sub. of United Merchants & Mfrs., Inc.) Clearwater, S. C.
Union Bleachery, Cone Mills Corp., Finishing Div., Greenville, S. C.
Lyman Printing & Finishing Co., An Affiliate of M. Lowenstein & Sons, Lyman, S. C.
Excelsior Finishing Plant, A Div. of Deering Milliken, Inc., Pendleton, S. C.
Rock Hill Printing & Finishing Co., Div. of M. Lowenstein & Sons, Inc. Rock Hill, S. C.
Society Hill Plant of Klopman Mills (Div. of Burlington Industries, Inc.) Society Hill, S. C.

DYERS MAN-MADE FIBERS

Renfrew Bleachery, A Div. of Abney Mills, Travelers Rest, S. C.

Riegel Textile Corp., Consumer Products Div., Ware Shoals, S. C.

Ray-Ser Dyeing Co., Chattanooga, Tenn.

Holliston Mills, Inc., New Canton, Tenn.

Rock River Woolen Mills, Inc. & Rock River Textiles, Brownwood, Tex.

El Dorado Woolen Mills, Inc., El Dorado, Texas

Catamount Dyers, Inc., Bennington, Vt.

Altavista Plant of Klopman Mills (Div. of Burlington Industries, Inc.)
Altavista, Va.

Virginia Dyeing & Finishing Corp., Emporia, Va.

Martin Processing, Inc., Martinsville, Va.

Newbern Plant of Klopman Mills, Div. of Burlington Ind., Newbern, Va.

Crompton Shenandoah Co., Waynesboro, Va.

Milwaukee Dye and Bleach Co., Inc., Div. Norwood Mills, Inc.
Milwaukee, Wisc.

PRINTERS

WOOL or WORSTED

Brittany Dyeing & Printing Corp., New Bedford, Mass.
Amtex Yarn Corporation, Fair Lawn, N. J.
Congress Textile Printers, Hawthorne, N. J.
Bouquet Screen Printing, Inc., Passaic, N. J.
Allied Textile Printers Corp., Paterson, N. J.
Cohoes Fabrics Printers, Inc., Cohoes, N. Y.
Bernard Screen Printing Corp., New Hyde Park, N. Y.
Comet Dye Works, Inc., Johnston, R. I.
Dursin, M. & Sons, Inc., Woonsocket, R. I.
Puerto Rican Textiles, Ltd., Ponce, Puerto Rico

PRINTERS SILK

Textile Prints Corp., Branford, Conn.
Brittany Dyeing & Printing Corp., New Bedford, Mass.
D & S Processing Co., Inc., Clifton, N. J.
Congress Textile Printers, Hawthorne, N. J.
Allied Textile Printers Corp., Paterson, N. J.
Brewster Finishing Co., Inc., Paterson, N. J.
Union Textile Printers, Inc., Secaucus, N. J.
Holland Thread Co., Inc., Stroudsburg, Pa.
Comet Dye Works, Inc., Johnston, R. I.
New Bradford Dyeing Association, Inc., Westerly, R. I.
Puerto Rican Textiles, Ltd., Ponce, Puerto Rico

PRINTERS MAN-MADE FIBERS

Russell Corp., Alexander City, Ala.
WestPoint Pepperell, Opelika Finish, Opelika, Ala.
Colorama Corp., Gardena, California
Gellman Industries, Los Angeles, California
Transfer Products West, Inc., Los Angeles, California
Textile Prints Corp., Branford, Conn.
Hull Dye & Print Works, Inc., Derby, Conn.
Lisbon Textile Prints, Inc., Jewett City, Conn.
Amerbelle Corp., The., Rockville, Conn.
Stafford Printers Div., Gaynor-Stafford Inds. Inc.,
Stafford Springs, Conn.
Key West Hand Print Fabrics, Inc., Key West, Fla.
Fabricsamerica Corp., Fulton Fabrics Div., Atlanta, Ga.
Mar-jon Carpet Mills, Inc., Calhoun, Ga.
Georgia Hand Prints, Inc., Carrollton, Ga.
Haight, A. S. & Co., Cartersville, Ga.
Laurens Park Mill Div. Mohasco Corp., Dublin, Ga.
Texprint, Inc., Macon, Ga.
Kenyon Southern, Inc., Sub. of Kenyon Piece Dyeworks, Inc., Rossville, Ga.
Artex International, Inc., Highland, Ill.
Arnold Print Works, Inc., Adams, Mass.
Duro Finishing Corp., Fall River, Mass.
Duro Textile Printers, Inc., Fall River, Mass.
Newport Print Works Corp., Fall River, Mass.
Riveredge Printers, Inc., Fall River, Mass.
Bay State Dye & Print. Div. Mastex Industries, Inc., Holyoke, Mass.
Malden Mills, Inc., Lawrence, Mass.
Brittany Dyeing & Printing Corp., New Bedford, Mass.
Farrington Texol Corp., SP Div. Norton Co., Walpole, Mass.
Photolon Corp., Worcester, Mass.
Intex Dyeing & Finishing, Div. of Artex International, West Point, Miss.
D & S Processing Co., Inc., Clifton, N. J.
Amtex Yarn Corporation, Fair Lawn, N. J.
Textile Printing Co., Div. of Cleanex Mchy. & Engr. Corp.
Fair Lawn, N. J.
Jacques Coeur, Inc., Hackensack, N. J.

PRINTERS MAN-MADE FIBERS

Congress Textile Printers, Hawthorne, N. J.
Dove Processing Co., Inc., Hawthorne, N. J.
Great Eastern Textile Printers, Mahwah, N. J.
Applikay Textile Processing Corp., Passaic, N. J.
Bouquet Screen Printing, Inc., Passaic, N. J.
Parra Prints, Passaic, N. J.
Allied Textile & Printers Corp., Paterson, N. J.
Brewster Finishing Co., Inc., Paterson, N. J.
Jersey Dyeing Co., Inc., Paterson, N. J.
Ferennial Print Corp., Paterson, N. J.
Roma Print, Paterson, N. J.
Sterling Creative Textile Printers, Inc., Paterson, N. J.
DeVries Brothers, Saddle Brook, N. J.
Union Textile Printers, Inc., Secaucus, N. J.
Tecmar, Skillman, N. J.
Kay Line, Inc., Trenton, N. J.
Beacon Tex-Print Ltd., Beacon, N. Y.
Glenmore Plastic Film Processors, Inc., Brooklyn, N. Y.
Murad Textile Print Works, Inc., Brooklyn, N. Y.
Cohoes Fabrics Printers, Inc., Cohoes, N. Y.
Elk Piece Dye Works, Inc., Garnerville, N. Y.
Bernard Screen Printing Corp., New Hyde Park, N. Y.
Star Textile Printing Corp., New York City, N. Y.
Transfer Products Co., Inc., New York, N.Y.
Pleasant Valley Finishing Co., Pleasant Valley, N. Y.
Cone Mills, Corp., Greensboro, N. C.
Proximity Print Works, Cone Mills Corp., Finishing Div.
Greensboro, N. C.
Royal Carolina Corp., Greensboro, N. C.
Vel-Cord Southern Corp., Lumberton, N. C.
Quality Southern Inc., Newton, N. C.
Uniglass Industries, Langley Processing Div., United Merchants & Mfrs.,
Inc., Statesville, N. C.
Leshner Corp., The., Hamilton, Ohio

PRINTERS MAN-MADE FIBERS

Duracote Corp., Ravenna, Ohio
T. P. Corp., Duryea, Pa.
Printed Terry Finishing Co., Inc., Lebanon, Pa.
Textile Printing & Finishing Co., Inc., Lebanon, Pa.
Winston Prints, Inc., Lebanon, Pa.
Hoffner Rayon Co., Quakertown, Pa.
Holland Thread Co., Inc., Stroudsburg, Pa.
Cranston Print Works Co., Cranston, R. I.
Comet Dye Works, Inc., Johnston, R. I.
Highland Textile Printers Co., Inc., Providence, R. I.
New Bradford Dyeing Association, Inc., Westerly, R. I.
Dursin, M. & Sons, Inc., Woonsocket, R. I.
Rockland-Bamberg Industries, Inc., Bamberg, S. C.
Carlisle Finishing Plant, Cone Mills Corp., Finishing Div.,
Carlisle, S. C.
Clearwater Finishing Co. (Sub. of United Merchants & Mfrs., Inc.)
Clearwater, S. C.
Lyman Printing & Finishing Co, An Affiliate of M. Lowenstein & Sons,
Lyman, S. C.
Rock Hill Printing & Finishing Co., Div. of M. Lowenstein & Sons, Inc.,
Rock Hill S. C.
American Fast Print, Spartanburg, S. C.
Santee Print Works, Sumter, S. C.
Riegel Textile Corp., Consumer Products Div., Ware Shoals, S. C.
CPS Industries, Inc., Franklin, Tenn.

PRINTERS COTTON

Russel Corp. Alexander City, Alabama
WestPoint Pepperell. Opelika Finish, Opelika, Alabama
Textile Prints Corp., Branford, Connecticut
Hull Dye and Print Works, Inc., Derby, Connecticut
Lisbon Textile Prints, Inc., Jewett City, Connecticut
Key West Hand Print Fabrics, Inc., Key West, Florida
Fabricsamerica Corp., Fulton Fabrics Division,
Atlanta, Georgia
Georgia Hand Prints, Inc., Carrollton, Georgia
Haight, A. S. & Co., Cartersville, Georgia
Dan River Inc., Danville, Div., Chickamauga, Georgia
Swainsboro Print & Finish, Swainsboro, Georgia
Artex International, Inc., Highland, Illinois
Arnold Print Works, Inc., Adams, Massachusetts
Duro Gloss Rubber Co., Inc., Everett, Massachusetts
Duro Finishing Corp., Fall River, Massachusetts
Duro Textile Printers, Inc., Fall River, Massachusetts
Newport Print Works Corp. Fall River, Massachusetts
Brittany Dyeing & Printing Corp., New Bedford, Massachusetts
Dartmouth Finishing Corp., New Bedford, Massachusetts
Bemis Co., Inc. Minneapolis, Minnesota
Intex Dyeing & Finishing Div. of Artex International
West Point, Mississippi
Keezer Mfg., Co. Plaistow, New Hampshire
D & S Processing Co., Inc., Clifton, New Jersey
Congress Textile Printers, Hawthorne, New Jersey
Dove Processing Co.,Inc., Hawthorne, New Jersey
Applikay Textile Process Corp., Passaic, New Jersey
Bouquet Screen Printing, Inc., Passaic, New Jersey
Allied Textile Printers Corp., Paterson, New Jersey
Sterling Creative Textile Printers, Inc., Paterson, New Jersey
Murad Textile Print Works, Inc., Brooklyn, New York
Cohoes Fabrics Printers, Inc., Cohoes, New York
Bernard Screen Printing Corp., New Hyde Park, New York
Pleasant Valley Finishing Co. Pleasant Valley, New York

PRINTERS COTTON

Hydro Prints Inc., Charlotte, North Carolina
Cranston Print Works, Co., Fletcher, North Carolina
Cone Mills Corp., Greensboro, North Carolina
Proximity Print Works, Cone Mills Corp.,
    Finishing Div., Greensboro. North Carolina
Vel-Cord Southern Corp., Lumberton, North Carolina
Leshner Corp., The.Hamilton, Ohio
L & H Manufacturing Co.. Chester. Pennsylvania
T. P. Corp.. Duryea. Pennsylvania
Printed Terry Finishing Co.. Inc.. Lebanon. Pennsylvania
Winston Prints Inc., Lebanon, Pennsylvania
Cranston Print Works Co., Cranston, Rhode Island
Highland Textile Printers Co., Inc., Providence, Rhode Island
New Bradford Dyeing Association Inc., Westerly, Rhode Island
Carlisle Finishing Plant, Cone Mills Corp., Finishing Div.,
    Carlisle, South Carolina
Clearwater Finishing Co., (Sub. of United Merchants & Mfgs.,
    Inc) Clearwater, South Carolina
Lyman Printing & Finishing Co., Affiliate of M. Lowenstein
    & Sons., Lyman, South Carolina
Rock Hill Printing & Finishing Co., Division of M. Lowenstein
    & Sons., Inc., Rock Hill, South Carolina
American Fast Print, Spartanburg, South Carolina
Santee Print Works, Sumter, South Carolina
Riegel Textile Corp., Consumer Production Division,
    Ware Shoals, South Carolina
CPS Industries, Inc., Franklin, Tennessee
Werthan Industries, Inc., Nashville, Tennessee
Brookneal Plant of Burlington Domestics, (Division of
    Burlington Industries, Inc.) Brookneal, Virginia
Schoolfield Finishers Inc., Danville, Virginia
Puerto Rican Textiles, LTD., Ponce, Puerto Rico

TABLE C-2: INK INDUSTRY

I10829	A-AAA PRINTING CO	BRANDON	FL 33511
I03560	ACME PRINTING INK CO	CHICAGO	IL 60607
I04711	ACME PRINTING INK CO DE INC	FULLERTON	CA 92634
I05990	ACME PRINTING INK CO DEL INC	KALAMAZOO	MI 49004
I05473	ACME PRINTING INK CO INC	NASHVILLE	TN 37217
I05976	ACME PRINTING INK CO OF WIS	APPLETON	WI 54911
I03820	ACME PRINTING INK CO-DELAWARE	LOUISVILLE	KY 40218
I07494	ACME PRINTING INK CO-DELAWARE	SAN LEANDRO	CA 94577
I06651	ACME PRINTING INK COMPANY	DALLAS	TX 75247
I06023	ACME PRINTING INK COMPANY WIS	MILWAUKEE	WI 53218
I06395	ACME PRTG INK CO-DELAWARE	SOUTHAMPTON	PA 18966
I07882	ACTIVE PROCESS SUPPLY CO INC	NEW YORK	NY 10011
I10700	ALCO INK AND SUPPLY CO	DETROIT	MI 48226
I03350	ALDEN & OTT PRINTING INK CO	ARLINGTON HTS	IL 60007
I02064	ALFA INK & CHEMICAL CORP	CARLSTADT	NJ 07072
I01633	ALLIED CARBON & RIBBON MFG	NEW YORK	NY 10013
I10690	ALLIED PRINTING AND SUPPLY	CHAMBLEE	GA 30341
I07278	AMERICAN CODING & MKG INK CO	PLAINFIELD	NJ 07062
I10813	AMERICAN INK & COATINGS CORP	WINSTON SALEM	NC 27103
I10814	AMERICAN INKS & COATINGS CORP	ADDISON	IL 60101
I10713	AMERICAN INKS-COATINGS CORP	VALLEY FORGE	PA 19482
I04882	AMERICAN OFFSET PRINTING INK	CHARLOTTE	NC 28203
I04716	AMERICAN PRINTING INK COMPANY	ATLANTA	GA 30354
I01538	ASSOCIATED PRINTING INKS INC	TEWKSBURY	MA 01876
I10820	ASSOCIATED PTG INK INC	LOWELL	MA 01852
I07172	ATLAS PRINTING INK INC	DALLAS	TX 75220
I06290	AURACHEM CORPORATION	HARRISON	NJ 07029
I01596	BARTA-GRIFFIN COMPANY	WORCESTER	MA 01613
I07147	BAXTER PRINTING INK	PANTEGO	TX 76013
I01521	BEACON PRINTING INK CORP	SOMERVILLE	MA 02144
I10791	BEMIS COMPANY INC	INDIANAPOLIS	IN 46200
I04667	BETTA INK COMPANY	FREMONT	CA 94636
I04344	BOMARK INC	EL MONTE	CA 91733
I01595	BOSTON PRINTING INK CO	RANDOLPH	MA 02368
I02600	BOWERS INK COMPANY INC	NASHVILLE	TN 37203
I10817	BOWERS PRINTING INK COMPANY	CHICAGO	IL 60618
I10818	BOWERS PRINTING INK COMPANY	HAWTHORNE	CA 90250
I02948	BRADEN-SUTPHIN INK CO	CLEVELAND	OH 44105
I01600	BRADY-FLAHERTY INK CO INC	WORCESTER	MA 01604
I03348	BUCKIE INK COMPANY INC	CHICAGO	IL 60605
I06452	BURROUGHS CORPORATION	CARLSTADT	NJ 07072
I01901	BURROUGHS CORPORATION	PARK RIDGE	NJ 07656
I03410	BUZZ SALES COMPANY INC	CRYSTAL LAKE	IL 60014
I05552	C P & W PRINTING	KANSAS CITY	KS 66115
I05766	C P & W PRINTING CO INC	ATLANTA	GA 30318
I06476	C P & W PRINTING INC CO INC	PINE BLUFF	AR 71601
I04777	C P & W PRINTING INK CO	DES MOINES	IA 50316
I06862	C P & W PRINTING INK CO INC	JONESBORO	LA 71251

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I05668	C P & W PRINTING INK CO INC	NASHVILLE	TN 37211
I10841	C P & W PRINTING INK COMPANY	CLEARWATER	FL 33520
I10842	C P & W PRINTING INK COMPANY	HAMLET	NC 28345
I10843	C P & W PRINTING INK COMPANY	JACKSONVILLE	FL 32206
I02315	CABRUN INK PRODUCTS CORP	PHILA	PA 19124
I06276	CAPITOL PRINTING INK CO INC	PHILADELPHIA	PA 19114
I06303	CAPITOL PRINTING INK CO INC	RICHMOND	VA 23230
I06230	CAPITOL PRINTING INK CO INC	ROCHESTER	NY 14611
I10795	CAPITOL PRINTING INK CO INC	ST LOUIS	MO 63110
I02651	CAPITOL PRINTING INK CO INC	WASHINGTON	DC 20018
I03269	CARDINAL COLORS INC	CHICAGO	IL 60625
I05351	CARLSON INKS/ROCHESTER INC	ROCHESTER	NY 14606
I07266	CAVALIER PRTG CO INC	RICHMOND	VA 23224
I02394	CAVANAUGH CORP THE	FLEMINGTON	NJ 08822
I07019	CENTRAL INK & CHEMICAL CO	WEST CHICAGO	IL 60185
I04772	CENTURY COLOR COMPANY INC	MEDFORD	MA 02155
I02025	CHAMPION INK CO INC	NORTH BERGEN	NJ 07047
I02147	CHEMICAL PROCESS & SUPPLY CO	BUFFALO	NY 14207
I10793	CHEMICAL PROCESS & SUPPLY CO	DUNKIRK	NY 14048
I01828	CHROMADYNE CORPORATION	BROOKLYN	NY 11232
I06568	CHROMADYNE CORPORATION	LODI	NJ 07644
I02970	CHROMATONE PRINTING INK OHIO	CINCINNATI	OH 45207
I07650	CLARK COPY INTERNATIONAL	CHICAGO	IL 60618
I02420	CLEVELAND PRINTING INK CO INC	CLEVELAND	OH 44114
I10703	COLONIAL PRINTING INK DIV-USP	E RUTHERFORD	NJ 07073
I05654	COLOR CONVERTING INDUSTS CO	DES MOINES	IA 50316
I07502	COLOR-CHEM CORPORATION	E RUTHERFORD	NJ 07073
I01546	COLORA PRINTING INKS INC	LONG IS CY	NY 11101
I06933	COLORGRAPHICS INC	RICHMOND	VA 23230
I07648	COLUMBUS PRINTING INK CO	COLUMBUS	OH 43215
I02429	COMMERCIAL INK CORPORATION	NEW YORK	NY 10012
I04244	CONTAINER PRINTING INK CORP	NEW ORLEANS	LA 70130
I04174	CONTINENTAL CARBON PPR MFG CO	BRENHAM	TX 77833
I02317	CONTINENTAL PRINTING INC CO	PHILADELPHIA	PA 19146
I07339	CROWE PRINTING INK CO INC	PHILADELPHIA	PA 19136
I07234	CROWN ZELLERBACH CORPORATION	N PORTLAND	OR 97217
I10695	CUDNER AND O CONNER CO	CHICAGO	IL 60624
I00733	CUSTOM CHEMICALS CO INC	ELMWOOD PARK	NJ 07407
I00190	CUSTOM INKS & COATINGS	ANTIOCH	CA 94509
I05644	CUSTOM INKS & COATINGS	LOS ANGELES	CA 90058
I10816	CUSTOM INKS & COATINGS	PORTLAND	OR 97242
I07355	DAVIS PRTNG INKS & SUP INC	LOS ANGELES	CA 90015
I06110	DAW A J PRINTING CO	SAN LEANDRO	CA 94500
I07805	DAW A J PRINTING INC CO	COUNTRYSIDE	IL 60525
I04274	DAW A J PRINTING INK CO INC	LOS ANGELES	CA 90040
I05452	DELTA INK CO	CLINTON	MS 39056
I06581	DEWAN INK CO INC	KENILWORTH	NJ 07033
I10719	DISPERSION SPECIALTIES INC	ASHLAND	VA 23005
I02847	DRYCO OF FLORIDA THE INC	SARASOTA	FL 33578
I08015	DURAN CO	ANAHEIM	CA 92801
I07977	DYALL PRODUCTS INC	ADDISON	IL 60101
I01864	EMPIRE SUPERFINE INK CO INC	POUGHKEEPSIE	NY 12601
I07070	F & F PRINTING INK CO	BRAINTREE	MA 02184
I01919	FAUST RUDOLPH INC	CRANFORD	NJ 07016
I04372	FELTEK CHEMICAL CORPORATION	CY OF INDUSTY	CA 91744
I10788	FLINT INK CORP CAL/INK DIVISIO	BERKELEY	CA 94710
I10785	FLINT INK CORP CAL/INK DIVISIO	DENVER	CO 80239
I10786	FLINT INK CORP CAL/INK DIVISIO	HONOLULU	HA 96806
I10782	FLINT INK CORP CAL/INK DIVISIO	PHOENIX	AZ 85009
I10787	FLINT INK CORP CAL/INK DIVISIO	PORTLAND	OR 97202
I10781	FLINT INK CORP CAL/INK DIVISIO	SALT LAKE CITY	UT 84119

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I10790	FLINT INK CORP CAL/INK DIVISIO	SEATTLE	WA 98134
I02670	FLINT INK CORPORATION	ATLANTA	GA 30325
I02818	FLINT INK CORPORATION	JACKSONVILLE	FL 32200
I02172	FLINT INK CORPORATION	LODI	NJ 07644
I04240	FLINT INK CORPORATION	NEW ORLEANS	LA 70130
I04336	FLINT INK CORPORATION	CITY OF IND	CA 91746
I02935	FLINT INK CORPORATION	CLEVELAND	OH 44111
I04095	FLINT INK CORPORATION	DALLAS	TX 75247
I03960	FLINT INK CORPORATION	DENVER	CO 80204
I03478	FLINT INK CORPORATION	DETROIT	MI 48239
I10783	FLINT INK CORPORATION	E PROVIDENCE	RI 02914
I06759	FLINT INK CORPORATION	HAYWARD	CA 94545
I04199	FLINT INK CORPORATION	HOUSTON	TX 77020
I03860	FLINT INK CORPORATION	INDIANAPOLIS	IN 46202
I05957	FLINT INK CORPORATION	LOS ANGELES	CA 90023
I10729	FLINT INK CORPORATION	MIAMI	FL 33169
I03724	FLINT INK CORPORATION	MINNEAPOLIS	MN 55414
I03997	FLINT INK CORPORATION	N KANSAS CITY	MO 64116
I05972	FLINT INK CORPORATION	NEW ALBANY	IN 47150
I10784	FLINT INK CORPORATION	PORTLAND	OR 97203
I05985	FLINT INK CORPORATION	S BRUNSWICK DAYTON	NJ 08810
I03690	FLINT INK CORPORATON	BROADVIEW	IL 60153
I07532	FLORIDA GRAPHIC PRODUCTS INC	TAMPA	FL 33600
I06560	FRISONE JAMES A CO INC	SOMERVILLE	MA 02143
I07779	FRY J M COMPANY OF MARYLAND	BALTIMORE	MD 21230
I10719	FRY J M THE CO INC	RICHMOND	VA 23224
I03293	GAETJENS BERGER & WIRTH	CHICAGO	IL 60607
I04337	GANS INK & SUPPLY CO INC	LOS ANGELES	CA 90033
I05031	GANS INK COMPANY OF UTAH	SALT LAKE CY	UT 84119
I06803	GENERAL ELECTRIC CO	CLEVELAND	OH 44110
I00617	GENERAL FORMULATIONS	SPARTA	MI 49345
I05915	GENERAL PRINTING INK CO	CINCINNATI	OH 45215
I04357	GOLDEN WEST INK CO INS	LOS ANGELES	CA 90037
I01695	GOTHAM INK & COLOR COMPANY	LONG ISLAND CITY	NY 11101
I07933	GOTHAM INK OF NEW ENGLAND INC	MARLBORO	MA 01752
I03592	GRAND RAPIDS PRINTING INK CO	WYOMING	MI 49509
I05168	GRAPHI COLOR INC	HAMDEN	CT 06514
I01547	GRAPHI-COLOR INC	BOSTON	MA 02111
I10777	GRAPHIC ARTS SUPPLIES	PHOENIX	AZ 85007
I03359	GRAPHIC CHEMICAL & INK CO	VILLA PARK	IL 60181
I05309	GRAPHIC INC CO INC	SALT LAKE CY	UT 84119
I06655	GRAPHIC SUPPLY INC	HYATTSVILLE	MD 20781
I06525	GRAPHICS-GAETJENS INC	VILLA PARK	IL 60181
I05916	HANDSCHY CHEMICAL CO	CINCINNATI	OH 45206
I06219	HANDSCHY CHEMICAL CO	MENOMONEE FALLS	WI 53051
I06017	HANDSCHY CHEMICAL CO	MINNEAPOLIS	MN 55404
I05908	HANDSCHY CHEMICAL CO INC	INDIANAPOLIS	IN 46202
I04699	HANDSCHY CHEMICAL CO LTD	CHICAGO	IL 60647
I04522	HERCULES INCORPORATED	RICHMOND	CA 94804
I06980	HERITAGE INK COMPANY	ADDISON	IL 60101
I04205	HUBER J M CORPORATION	BAYTOWN	TX 77521
I06373	HUBER J M CORPORATION	COMPTON	CA 90220
I10739	HUBER J M CORPORATION	EDISON	NJ 08817
I03824	HUBER J M CORPORATION	LOUISVILLE	KY 40213
I03152	HUBER J M CORPORATION	MACON	GA 31201
I05239	HUBER J M CORPORATION	MARYLAND HGHTS	MO 63040
I03524	HUBER J M CORPORATION	MCCOOK	IL 60525
I05162	HUBER J M CORPORATION	SHREVEPORT	LA 71107
I10740	HUBER J M CORPORATION	WESTWOOD	MA 02090
I04345	I C COMPOUNDS CO	GARDENA	CA 90248
I05500	IMAGE SPECIALISTS INC	DEER PARK	NY 11729

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I10794	IMAGING SYSTEMS CORPORATION	BLAIRSVILLE	PA	15717
I10844	IMAGING SYSTEMS CORPORATION	DERRY	PA	15627
I05327	IMAGING SYSTEMS CORPORATION	LATROBE	PA	15650
I04309	IMPERIAL PRINTING INK	LOS ANGELES	CA	90021
I06295	INCA INKS NC	NORTHBROOK	IL	60062
I07588	INCO CO	CLEVELAND	OH	44113
I10685	INK MAKERS INC	LOS ANGELES	CA	90021
I03305	INK MASTERS INC	BROADVIEW	IL	60153
I07229	INK SERVICE INC	NEW YORK	NY	10013
I03375	INK SPECIALTIES COMPANY INC	ARLINGTON HTS	IL	60005
I06734	INMONT CORPORATION	ATLANTA	GA	30315
I10797	INMONT CORPORATION	AUBURN	MA	01501
I02576	INMONT CORPORATION	BALTIMORE	MD	21224
I05523	INMONT CORPORATION	BEECH GROVE	IN	46107
I07033	INMONT CORPORATION	CHARLOTTE	NC	28217
I10819	INMONT CORPORATION	CHARLOTTE	NC	28210
I03233	INMONT CORPORATION	CHICAGO	IL	60632
I06763	INMONT CORPORATION	CHICAGO	IL	60622
I02980	INMONT CORPORATION	CINCINNATI	OH	45229
I10810	INMONT CORPORATION	DALLAS	TX	75207
I06752	INMONT CORPORATION	DENVER	CO	80204
I05379	INMONT CORPORATION	DEPEW	NY	14043
I10807	INMONT CORPORATION	DES MOINES	IA	50315
I10806	INMONT CORPORATION	DETROIT	MI	48208
I10801	INMONT CORPORATION	EFFINGHAM	IL	62401
I05618	INMONT CORPORATION	FRANKLIN	OH	45005
I07694	INMONT CORPORATION	HAMDEN	CT	06514
I10799	INMONT CORPORATION	HARAHAN	LA	70183
I06578	INMONT CORPORATION	HAWTHORNE	NJ	07506
I10802	INMONT CORPORATION	HONOLULU	HA	96813
I05280	INMONT CORPORATION	KALAMAZOO	MI	49004
I10796	INMONT CORPORATION	KANSAS CITY	MO	64127
I01715	INMONT CORPORATION	LODI	NJ	07644
I04627	INMONT CORPORATION	LOS ANGELES	CA	90001
I03819	INMONT CORPORATION	LOUISVILLE	KY	40211
I05335	INMONT CORPORATION	MEMPHIS	TN	38101
I07101	INMONT CORPORATION	MIAMI	FL	33147
I10804	INMONT CORPORATION	MILWAUKEE	WI	53201
I07426	INMONT CORPORATION	MINNEAPOLIS	MN	55400
I10798	INMONT CORPORATION	NASHVILLE	TN	37201
I06700	INMONT CORPORATION	NEENAH	WI	54956
I04519	INMONT CORPORATION	OAKLAND	CA	94623
I06480	INMONT CORPORATION	PHILADELPHIA	PA	19123
I10800	INMONT CORPORATION	PITTSBURG	PA	15215
I05676	INMONT CORPORATION	RICHMOND	VA	23230
I06863	INMONT CORPORATION	ROCHESTER	NY	14607
I06393	INMONT CORPORATION	SEATTLE	WA	98108
I05574	INMONT CORPORATION	SOUTH HACKENSACK	NJ	07606
I10808	INMONT CORPORATION	ST LOUIS	MO	63116
I10805	INMONT CORPORATION	STRONGSVILLE	OH	44136
I10803	INMONT CORPORATION	WEST MONROE	LA	71291
I05781	INTERNATIONAL PAPER CO	BALTIMORE	MD	21213
I05614	JAMES A FRISONE CO CONN INC	BLOOMFIELD	CT	06002
I03000	KENNEDY INK CO INC	CINCINNATI	OH	45226
I03363	KERLEY R A INK ENGINEERS INC	MAYWOOD	IL	60153
I06172	KOHL & MADDEN PRTG INK CORP	ATLANTA	GA	30324
I06612	KOHL & MADDEN PRTG INK CORP	BALTIMORE	MD	21202
I05939	KOHL & MADDEN PRTG INK CORP	BOSTON	MA	02111
I07300	KOHL & MADDEN PRTG INK CORP	BROADVIEW	IL	60153
I02142	KOHL & MADDEN PRTG INK CORP	CHEEKTOWAGA	NY	14225
I03236	KOHL & MADDEN PRTG INK CORP	CHICAGO	IL	60607

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I07775	KOHL & MADDEN PRTG INK CORP	CINCINNATI	OH 45241
I05919	KOHL & MADDEN PRTG INK CORP	CLEVELAND	OH 44114
I04091	KOHL & MADDEN PRTG INK CORP	DALLAS	TX 75207
I05552	KOHL & MADDEN PRTG INK CORP	DENVER	CO 80216
I03545	KOHL & MADDEN PRTG INK CORP	DETROIT	MI 48202
I06613	KOHL & MADDEN PRTG INK CORP	LODI	NJ 07644
I06446	KOHL & MADDEN PRTG INK CORP	LOS ANGELES	CA 90040
I03634	KOHL & MADDEN PRTG INK CORP	MILWAUKEE	WI 53212
I03696	KOHL & MADDEN PRTG INK CORP	MINNEAPOLIS	MN 55407
I05670	KOHL & MADDEN PRTG INK CORP	NASHVILLE	TN 37217
I06944	KOHL & MADDEN PRTG INK CORP	OMAHA	NE 68015
I07144	KOHL & MADDEN PRTG INK CORP	PHOENIX	AZ 85019
I06439	KOHL & MADDEN PRTG INK CORP	SAN FRANCISCO	CA 94107
I05100	KRAMER INK CO INC	LOS ANGELES	CA 90021
I05130	LANGDON RESEARCH CORPORATION	HADDAM	CT 06438
I10687	LAWRENCE WALTER INK CO	LOS ANGELES	CA 90013
I04462	LEBER RALPH CO INC	PORTLAND	OR 97209
I04583	LEBER RALPH COMPANY INC	TUKWILA	WA 98188
I10698	MARK COLOR LTD	BALTIMORE	MD 21229
I10840	MARKEM CORPORATION	KEENE	NH 03431
I02603	MARTIN MARIETTA CORPORATION	FRANKLIN	VA 23851
I05851	MARTIN MARIETTA CORPORATION	SECAUCUS	NJ 07094
I10715	MATTHEWS J H & CO	PITTSBURGH	PA 15206
I04893	MEAD CHEMICAK	ATLANTA	GA 30302
I04289	MERIT PRINTING INC COMPANY	LOS ANGELES	CA 90023
I01781	MIDWAY INK CORPORATION	HOBOKEN	NJ 07030
I07989	MILLER-COOPER INK CO INC	KANSAS CITY	MO 64105
I07312	MIX & MATCH INK CORPORATION	PHOENIX	AZ 85017
I10709	MODERN INK SPECIALTIES	NEW YORK	NY 10007
I02938	MORRISON PRTG INK CO	CLEVELAND	OH 44135
I05793	NATIONAL PRINTING INK CO	SMYRNA	GA 30080
I01543	NEW ENGLAND AND PRINTING INK C	BOSTON	MA 02135
I06278	NORTHERN PRINTING INK	MINNEAPOLIS	MN 55427
I10792	NORTHERN PRTG INK CORP OF NEBR	OMAHA	NE 68137
I10716	OKIE F G INC	WASHINGTON	PA 19034
I03215	OWENS-ILLINOIS INC	PERRYSBURG	OH 43551
I00760	OXFORD CHEMICAL INC	NEW BRUNSWICK	NJ 08901
I07303	PACKAGING INK CORPORATION	CHICAGO	IL 60638
I03334	PEACOCK COLORS INC	ADDISON	IL 60101
I06287	PEACOCK COLORS INC	BUTLER	WI 53007
I00768	POUGER JOSEPH & CO INC	PENNSAUKEN	NJ 08110
I00952	POLYCHROME CORPORATION	YONKERS	NY 10701
I03029	PRECISION COLORS INC	XENIA	OH 45385
I01590	PRESCOTT H S INKS INC	SPRINGFIELD	MA 01105
I03647	PRESS COLOR INC	MILWAUKEE	WI 53212
I06668	PRESTIGE PRINTING INK CO	FORT WORTH	TX 76105
I02786	PRINTERS INK & SUPPLY	BIRMINGHAM	AL 35202
I10710	PRISMACOLOR INK AND VARNISH	NEW YORK	NY 10036
I07592	PRODUCTION COLOR INC	ATLANTA	GA 30336
I07539	QUALITY DISPERSIONS INC	ST MARYS	PA 15857
I05825	R & A INK CORPORATION	ENGLEWOOD	NJ 07631
I07440	REITECH CORPORATION	LAURELDALE	PA 19605
I05258	REPUBLIC INK & SUPPLY CO	LOS ANGELES	CA 90007
I06294	RESINS SOLVENTS AND VARNISHES	CHICAGO HEIGHTS	IL 60411
I01726	REXART CHEMICAL CORPORATION	JERSEY CITY	NJ 07306
I06274	REXART CORPORATION	LOS ANGELES	CA 90022
I02343	REAFORD R W COMPANY	PHILADELPHIA	PA 19123
I07638	RICHARDSON INK COMPANY	ST LOUIS	MO 63147
I06640	ROBERTS & PORTER INC	ELK GROVE VLG	IL 60007
I10779	ROBERTS & PORTER INC	MILWAUKEE	WI 53227
I10778	ROBERTS & PORTER INC	PHILADELPHIA	PA 19116

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I06509	ROBERTS & PORTER INC	SAN FRANCISCO	CA 94107
I07573	ROBERTS & PORTER INC	ST PAUL	MN 55113
I06420	ROBERTS LEWIS INC	AUBURN	NY 13021
I02185	ROBERTS LEWIS INC	NEWARK	NJ 07105
I06601	ROMA CHEM DIV UNTD MCTS MFG IN	CHESTER	SC 29706
I02269	RON INK CO INC	ROCHESTER	NY 14610
I06857	ROYAL INK CO	NEW YORK	NY 10036
I06443	S & W PRINTING INC	LOS ANGELES	CA 90021
I04764	SEABOARD INKS/N.Y.	NEW YORK	NY 10011
I02348	SEABOARD PRINTING INKS INC	PHILADELPHIA	PA 19122
I04220	SENSIBA ENTERPRISE INC	SAN ANTONIO	TX 78208
I04702	SERVICE INK COMPANY INC	CHICAGO	IL 60614
I01670	SIEBOLD J H & G B INC	NEW YORK	NY 10013
I05746	SILCO INK CORPORATION	MONROE	LA 71201
I07594	SILCO INK CORPORATION	SPARTANBURG	SC 29302
I05424	SILCO INK CORPORATION	WOODLAWN	OH 45215
I03280	SINCLAIR & CARROLL CO INC	CHICAGO	IL 60608
I10730	SINCLAIR & VALENTINE INC	ALBANY	NY 12200
I10723	SINCLAIR & VALENTINE INC	ATLANTA	GA 30300
I07438	SINCLAIR & VALENTINE INC	CAMDEN	AR 71701
I07970	SINCLAIR & VALENTINE INC	CANTONMENT	FL 32533
I05595	SINCLAIR & VALENTINE INC	CHICAGO	IL 60632
I10727	SINCLAIR & VALENTINE INC	DAYTON	OH 45407
I10728	SINCLAIR & VALENTINE INC	HOUSTON	TX 77000
I10732	SINCLAIR & VALENTINE INC	IRVING	TX 75060
I10721	SINCLAIR & VALENTINE INC	JACKSONVILLE	FL 32200
I10738	SINCLAIR & VALENTINE INC	KALAMAZOO	MI 49000
I10726	SINCLAIR & VALENTINE INC	LOUISVILLE	KY 40200
I10724	SINCLAIR & VALENTINE INC	MALDEN	MA 02148
I07579	SINCLAIR & VALENTINE INC	MILWAUKEE	WI 53225
I07281	SINCLAIR & VALENTINE INC	MOBILE	AL 36607
I10734	SINCLAIR & VALENTINE INC	MONROE	LA 71201
I10731	SINCLAIR & VALENTINE INC	N KANSAS CITY	MO 64116
I10725	SINCLAIR & VALENTINE INC	NASHVILLE	TN 37200
I04945	SINCLAIR & VALENTINE INC	NORTH HAVEN	CT 06473
I10722	SINCLAIR & VALENTINE INC	PHILADELPHIA	PA 19100
I05226	SINCLAIR & VALENTINE INC	PORTLAND	OR 97210
I07475	SINCLAIR & VALENTINE INC	ROCHESTER	NY 14606
I10729	SINCLAIR & VALENTINE INC	SANTA FE SPGS	CA 90670
I10741	SINCLAIR & VALENTINE INC	SEATTLE	WA 98108
I07424	SINCLAIR & VALENTINE INC	ST PAUL	MN 55104
I05044	SINCLAIR & VALENTINE INC	SWANTON	OH 43558
I04810	SINCLAIR & VALENTINE INC	WEST HAZLETON	PA 18201
I06125	SLEIGHT & HELLMUTH	ATLANTA	GA 30312
I10837	SLEIGHT & HELLMUTH	CHARLOTTE	NC 28210
I10696	SLEIGHT & HELLMUTH	CHICAGO	IL 60607
I07768	SLEIGHT & HELLMUTH	CLEVELAND	OH 44113
I10836	SLEIGHT & HELLMUTH	DALLAS	TX 75207
I10839	SLEIGHT & HELLMUTH	HYATTSVILLE	MD 20781
I05551	SLEIGHT & HELLMUTH	KANSAS CITY	MO 64120
I05007	SLEIGHT & HELLMUTH	MEMPHIS	TN 38118
I10838	SLEIGHT & HELLMUTH	NEW YORK	NY 10013
I04819	SLEIGHT & HELLMUTH	PENNSAUKEN	NJ 08110
I03800	SLEIGHT & HELLMUTH	ST LOUIS	MO 63103
I10691	SOUTHEAST INK AND LACQUER CO	ATLANTA	GA 30318
I05905	SOUTHEASTERN INK MFG INC	ATLANTA	GA 30336
I07376	SOUTHERN PRINTING INK INC	RICHMOND	VA 23224
I10688	SPECTRUM INK CO	COMMERCE	CA 90040
I07504	STANDARD INK & COLOR CO	S HACKENSACK	NJ 07606
I05711	STRAHAN INK AND LACQUER CORP	KINGSPORT	TN 37662
I04876	SUMMIT INK CO	LA MIRADA	CA 90638

INK INDUSTRY

I05779	SUN CHEMICAL CORPORATION	ASHLAND	VA	23005
I02692	SUN CHEMICAL CORPORATION	ATLANTA	GA	30318
I10829	SUN CHEMICAL CORPORATION	BROOMFIELD	CO	80020
I01959	SUN CHEMICAL CORPORATION	CHICAGO	IL	60638
I07863	SUN CHEMICAL CORPORATION	CLEVELAND	OH	44100
I05629	SUN CHEMICAL CORPORATION	E RUTHERFORD	NJ	07073
I10835	SUN CHEMICAL CORPORATION	FRANKFORT	IN	46041
I06487	SUN CHEMICAL CORPORATION	GRAND PRAIRIE	TX	75050
I10822	SUN CHEMICAL CORPORATION	HAZELTON	PA	18201
I10823	SUN CHEMICAL CORPORATION	INDIANAPOLIS	IN	46224
I06462	SUN CHEMICAL CORPORATION	KALAMAZOO	MI	49000
I05489	SUN CHEMICAL CORPORATION	KANKAKEE	IL	60901
I03999	SUN CHEMICAL CORPORATION	KANSAS CITY	MO	64111
I10830	SUN CHEMICAL CORPORATION	KAUKAUNA	WI	54130
I10832	SUN CHEMICAL CORPORATION	KENT	WA	98031
I10831	SUN CHEMICAL CORPORATION	LAUREL	MD	20810
I04425	SUN CHEMICAL CORPORATION	LOS ANGELES	CA	90021
I10826	SUN CHEMICAL CORPORATION	MADISON HGHTS	MI	48071
I01830	SUN CHEMICAL CORPORATION	MANSFIELD	MA	02048
I07559	SUN CHEMICAL CORPORATION	MEMPHIS	TN	38118
I10833	SUN CHEMICAL CORPORATION	MENOMONEE FALLS	WI	53051
I07778	SUN CHEMICAL CORPORATION	NASHVILLE	TN	37210
I06316	SUN CHEMICAL CORPORATION	NEW HAVEN	CT	06511
I10824	SUN CHEMICAL CORPORATION	NEW YORK	NY	10013
I07020	SUN CHEMICAL CORPORATION	NORTHLAKE	IL	60164
I10821	SUN CHEMICAL CORPORATION	ORLANDO	FL	32805
I10828	SUN CHEMICAL CORPORATION	ORLANDO	FL	32809
I05899	SUN CHEMICAL CORPORATION	PHILADELPHIA	PA	19132
I06227	SUN CHEMICAL CORPORATION	ROCHESTER	NY	14624
I04540	SUN CHEMICAL CORPORATION	S SN FRANCSCO	CA	94080
I03764	SUN CHEMICAL CORPORATION	ST LOUIS	MO	63132
I10834	SUN CHEMICAL CORPORATION	ST LOUIS	MO	63132
I06653	SUN CHEMICAL CORPORATION	ST PAUL	MN	55113
I10825	SUN CHEMICAL CORPORATION	TEUTOPOLIS	IL	62467
I06851	SUN CHEMICAL CORPORATION	TULSA	OK	74107
I10827	SUN CHEMICAL CORPORATION	WINSTON-SALEM	NC	27107
I02293	SUPERA STAMP PAD CO	AUBURN	NY	13021
I01822	SUPERIOR MARKING CO	RIDGEFIELD	NJ	07657
I05117	SUPERIOR PRINTING INK CO INC	FT LAUDERDALE	FL	33311
I01794	SUPERIOR PRINTING INK CO INC	NEW YORK	NY	10012
I04674	SYNFAX MANUFACTURING CORP	BELLEVILLE	NJ	07109
I03293	THIELE-ENGDAHL INC	ADDISON	IL	60101
I03145	THIELE-ENGDAHL INC	WADSWORTH	OH	44281
I05567	THOMAS PRINTING INKS	FREMONT	CA	94538
I05427	U S PRINTING INK CORPORATION	CINCINNATI	OH	45215
I10790	U S PRINTING INK CORPORATION	DALLAS	TX	75228
I10845	U S PRINTING INK CORPORATION	DALLAS	TX	75228
I06504	U S PRINTING INK CORPORATION	E RUTHERFORD	NJ	07073
I10776	U S PRINTING INK CORPORATION	JACKSONVILLE	FL	32205
I10815	U S PRINTING INK CORPORATION	SAN LEANDRO	CA	94577
I10811	U S PRINTING INK CORPORATION	SANTA FE SPGS	CA	90670
I01619	UNION INK CO INC	RIDGEFIELD	NJ	07657
I10812	UNITED MERCHANTS & MFRS INC	FALL RIVER	MA	02722
I04872	UNITED PRINTING INK INC	NORWALK	CA	90650
I05435	UNIVERSAL PRINTING INK CORP	DALLAS	TX	75229
I04736	VAN BUREN INK CO INC	ST LOUIS	MO	63119
I01872	WARDEN PRINTING INK CO	MOUNT VERNON	NY	10550
I04549	WESTERN PRINTING INK CORP	SAN FRANCISCO	CA	94107
I05331	WIKOFF COLOR CORP OF GEORGIA	STONE MTN	GA	30083
I06562	WIKOFF COLOR CORP OF SC	GRAND PRAIRIE	TX	75050
I05374	WIKOFF COLOR CORP OF SC INC	CONCORD	NH	03301

INK INDUSTRY

I02616	WIKOFF COLOR CORPORATION	CHARLOTTE	NC 28237
I03552	WIKOFF COLOR CORPORATION	DETROIT	MI 48209
I05412	WIKOFF COLOR CORPORATION	FORT MILL	SC 29715
I07954	WIKOFF COLOR CORPORATION	MEDFORD	MA 02155
I01173	WIKOFF COLOR CORPORATION	NASHVILLE	TN 37210
I05134	WIKOFF COLOR CORPORATION	PIERMONT	NY 10968
P00001	AVONDALE CHEMICAL CO INC	BIRMINGHAM	AL 35222
P00081	ELIXIR INDUSTRIES	GARDENA	CA 90248
P00130	PACTRA INDUSTRIES INC	UPLAND	CA 91786
P00139	TEXTURED COATINGS OF AMERICA	LOS ANGELES	CA 90003
P00182	KELLY-MOORE PAINT COMPANY INC	SAN CARLOS	CA 94070
P00183	SPENCER KELLOGG DIV OF TEXTRON	SAN CARLOS	CA 94070
P00191	MC GLENNON R J COMPANY INC	SAN FRANCISCO	CA 94107
P00210	BOSTIK FINCH INC	TORRANCE	CA 90502
P00298	SCM GLIDDEN COATINGS	ATLANTA	GA 30318
P00383	MORTELL COMPANY	KANKAKEE	IL 60901
P00448	COTA INDUSTRIES INC	DES MOINES	IA 50320
P00427	JELLICO CHEMICAL COMPANY INC	LOUISVILLE	KY 40211
P00556	FARBOIL COMPANY	BALTIMORE	MD 21222
P00573	MARSON CORP	CHELSEA	MA 02150
P00582	NEWTON POTTERS & SUPPLY INC	W NEWTON	MA 02165
P00597	MICHIGAN CHROME & CHEMICAL CO	DETROIT	MI 48213
P00605	GUARDSMAN CHEMICALS INC	GRAND RAPIDS	MI 49507
P00612	CO-POLYMER CHEMICALS INC	LIVONIA	MI 48150
P00614	NORTHERN COATING CHEMICAL CO	MENOMINEE	MI 49858
P00631	VALSPAR CORPORATION THE	MINNEAPOLIS	MN 55415
P00632	WHITTAKER CORPORATION	MINNEAPOLIS	MN 55418
P00681	DENNIS CHEMICAL CO INC	ST LOUIS	MO 63103
P00682	GEORGE R D CO	ST LOUIS	MO 63147
P00721	WALSH MFG CO	CARLSTADT	NJ 07072
P00754	EMPIRE WHITE PRODUCTS CO INC	NEWARK	NJ 07105
P00779	ZINSSER WILLIAM & CO INC	SOMERSET	NJ 08873
P00819	PIERCE & STEVENS CHEMICAL COR	BUFFALO	NY 14203
P00820	PRATT & LAMBERT	BUFFALO	NY 14240
P00839	POLYTEX INDUSTIAL FINISHERS	LONG IS CY	NY 11101
P00840	SCHWARTZ CHEMICAL CO INC	LONG IS CY	NY 11101
P00844	STANDARD T CHEMICAL CO INC	STATEN ISLAND	NY 10303
P00936	SCHENECTADY CHEMICALS INC	SCHENECTADY	NY 12301
P00973	US CHEMICAL & PLASTICS	CANTON	OH 44702
P00977	ARMOR SHIELD INC	CINCINNATI	OH 45229
P00987	G & S PLASTICS CO THE INC	CLEVELAND	OH 44125
P00988	GIBSON-HOMANS COMPANY	CLEVELAND	OH 44106
P01004	YENKIN MAJESTIC PAINT CORP	COLUMBUS	OH 43219
P01107	PIERCE & STEVENS CHEMICAL COR	KIMBERTON	PA 19442
P01110	JOHNSON PAINT CO	MCKEES ROCKS	PA 15136
P01149	PALMER PRODUCTS INC	WORCESTER	PA 19490
P01235	IDEAL INDUSTRIALS	DALLAS	TX 75210
P01444	ORN TEC FABRICATING	KENT	WA 98031
P01450	PRESERVATIVE PAINT CO	SEATTLE	WA 98108
P01452	TECHNICAL RESEARCH COMPANY	SEATTLE	WA 98178
P01458	PLASTIC COATINGS CORPORATION	CHARLESTON	WV 25304
P01504	BEACON PAINT WORKS INC	JAMAICA PLAIN	MA 02120
P01505	DAMPNEY COMPANY	EVERETT	MA 02149
P01507	FRANKLIN PAINT COMPANY INC	FRANKLIN	MA 02038
P01508	GLOUCESTER CO INC	FRANKLIN	MA 02038
P01511	TOURAINE PAINTS INC	EVERETT	MA 02149
P01515	KYANIZE PAINTS INC	EVERETT	MA 02149
P01518	CONSOLIDATED COLOR CORP	PEABODY	MA 01960
P01524	CABOT SAMUEL INC	BOSTON	MA 02108
P01526	CONVERSE LONGYEAR & CO	SUMMERFIELD	OH 43788
P01528	CADILAC PAINT & VARNISH CO	ALLSTON	MA 02134

INK INDUSTRY

P10714	KELLY-MOORE PAINT CO	KIRKLAND	WA 98033
P10715	KELLY-MOORE PAINT CO	ONTARIO	CA 91761
P10716	DIXIE OBRIEN CORP	BRUNSWICK	GA 31520
P10903	ROCKLAND CHEMICAL COATING INC	ST LOUIS	MO 63125
P10907	DAUBERT CHEMICAL COMPANY	POMONA	CA 91766
P10908	DAUBERT CHEM CO	CHICAGO	IL 60638
P10909	SCHENECTADY CHEMICALS INC	SCHENECTADY	NY 12301
P10917	SINCLAIR PAINT COMPANY	LOS ANGELES	CA 90023
P10918	DEXTER CORP MIDLAND DIVISION	BIRMINGHAM	FL 35215
P10919	OLYMPIC STAIN DIV COMERCO	LOUISVILLE	KY 40214
P10920	OLYMPIC STAIN	BATAVIA	IL 60510
P10921	SPRAYLAT CORP	LOS ANGELES	CA 90016
P10922	GILSONITE CORP	PORTLAND	OR 97211
P10923	FERRO CHEMICAL DIV FERRO CORP	BEDFORD	OH 44146
P10924	FERRO CORPORATION	CLEVELAND	OH 44105
P10925	CRUMBACHER M INC	NEW YORK	NY 10001
P10926	UNITED COATINGS INC	LOS ANGELES	CA 90058
P10927	DAVIES IMPERIAL COATINGS	CHICAGO	IL 60631
P10928	US PAINT LACQUER & CHEM CO	ST LOUIS	MO 63103
P10929	STANDARD T CHEMICAL COMPANY	LINDEN	NJ 07036
P10930	STRATHMORE PRODUCTS INC	SYRACUSE	NY 13201
P10931	STRATHMORE PRODUCTS INC	SYRACUSE	NY 13201
P10932	ECONOMICS LABORATORY INC	AVENEL	NJ 07001
P10933	ECONOMIC LABORATORY INC	JOLIET	IL 60436
P10934	ECONOMICS LABORATORY INC	EAGAN	MN 55121
P10935	US GYPSUM CO	GYPSUM	OH 43433
P10936	MINWAX COMPANY INC	FLORA	IL 62839
P10937	COOK PAINT & VARNISH COMPANY	N KANSAS CITY	MO 64116
P10938	MINNESOTA MINING & MFG	GUIN	AL 35563
P10939	MINNESOTA MINING & MFG	ST PAUL	MN 55133
P10940	MINNESOTA MINING & MFG	NEVADA	MO 64772
P10941	PROKO INDUSTRIES INC	MADISON	SD 57042
P10942	UNITED COATINGS INC	CHICAGO	IL 60618
P10943	WILMINGTON CHEMICAL CORP	WILMINGTON	DE 19899
P10944	MAM CHEMICAL SALES CORP	MANSON	MA 01057
P10945	TECHNICAL COATINGS INC	AUSTIN	TX 78764
P10947	DEXTER CORP MIDLAND DIVISION	HAYWARD	CA 94544
P10948	NATIONAL BRONZE POWER CO INC	FRANKLIN PARK	IL 60131
P10949	DYMO VISUAL SYSTEMS CRAFTINT	AUGUSTA	GA 30903
P10950	INMONT CORPORATION	MORGANTON	NC 28655
P10951	PILGRIM PERMOCOAT INC	TAMPA	FL 33601
P10952	DAY-GLO COLOR CORP	CLEVELAND	OH 44103
P10953	DAY-GLO COLOR CORP	S EL MONTE	CA 91733
P10954	PRATT & LAMBERT INC	ORANGE	CA 92667
P10955	CARBOLINE CO	HAYWARD	CA 94540
P10956	CARBOLINE COMPANY	ST LOUIS	MO 63141
P10957	MINWAX COMPANY INC	CLIFTON	NJ 07011
P10958	AVALON INDUSTRIES INC	MONROVIA	CA 90016
P10959	ADMIRAL PAINT CO	LAKE CHARLES	LA 70601
P10960	ESSEX CHEMICAL CORP	SAYREVILLE	NJ 08872
P10961	STANDARD DRY WALL PRODUCTS	EDGELY	PA 19007
P10962	RUTLAND FIRE CLAY COMPANY	GASTONIA	NC 28052
P10963	PREM-KOTE INC	FT LAUDERDALE	FL 33308

TABLE C-3: PAINT INDUSTRY

P02375	A I FLOOR PROD CO	TREVOSE	PA	19047
P03110	A LUR INC	GARLAND	TX	75042
P02193	ABLON FINISHES INC	NEWARK	NJ	07105
P01800	ABSOLUTE COATINGS INC	BRONX	NY	10461
P01948	ACE LACQUER & CHEMICAL CO INC	LONG IS CY	NY	11106
P10003	ACHESON COLLOIDS CO	PORT HURON	MI	48060
P10005	ACRO CHEMICAL PRODUCTS CORP	LONG VALLEY	NJ	07853
P10007	ACRYLUX PAINT MANUFACTURING C	FT LAUDERDALE	FL	33304
P04120	ADAMS MANUFACTURING CO INC	LUBBOCK	TX	79417
P04518	ADAMS PAINT CO	PACIFICA	CA	94044
P10010	ADHERON COATINGS CORP	OAK FOREST	IL	60452
P10011	ADHESIVE ENGINEERING CO	SAN CARLOS	CA	94070
P10959	ADMIRAL PAINT CO	LAKE CHARLES	LA	70601
P06996	ADVANCE AEROSOL CHEMICAL SPC	GENOA CITY	WI	53128
P04329	ADVANCE FINISHES INC	EL SEGUNDO	CA	90245
P10016	ADVANCED COATINGS CAND CHEM	SO EL MONTE	CA	91733
P01667	AGATE LACQUER MFG CO INC	LONG IS CY	NY	11101
P07086	AINSLIE VARNISH COMPANY INC	DETROIT	MI	48229
P10018	AKONA CHEMICAL CORP	NORTH ANOKA	MN	55303
P02901	AKRON PAINT AND VARNISH	AKRON	OH	44301
P05593	AL-PRO SALES MANUFACTURING CO	FT LAUDERDALE	FL	33311
P07250	ALASKAN PAINT MFG CO INC	ANCHORAGE	AK	99501
P07431	ALBI MANUFACTURING CORPORATION	ELLINGTON	CT	06029

PAINT INDUSTRY

P02607	ALCATRAZ CO INC THE	RICHMOND	VA	23230
P05389	ALCO PAINT CO	STAFFORD	TX	77477
P07591	ALGAN INC	CHAGRIN FALLS	OH	44022
P10019	ALL-CHROMA INC	STEVENS POINT	WI	54481
P02422	ALLENTOWN PAINT MFG CO	ALLENTOWN	PA	18103
P10022	ALLIED CHEMICAL CORP	CHESHIRE	CT	06410
P01871	ALLIED PAINT & COLOR WORS IN	BRONX	NY	10474
P03756	ALUMATONE CORP OF MISSOURI	ST LOUIS	MO	63132
P04280	ALUMATONE CORPORATION	LOS ANGELES	CA	90023
P10025	AMERICAN AEROSOLS INC	HOLLAND	MI	49423
P01752	AMERICAN HOME PAINT INC	BROOKLYN	NY	11238
P02390	AMERICAN LACQUER SOLVENT MIAMI	HIALEAH	FL	33010
P02389	AMERICAN LACQUER SOLVNT FLA	TAMPA	FL	33680
P04082	AMERICAN SEAL MFG CO	TROY	NY	12180
P07057	AMERICAN SOLDER & FLUX CORP	HOLLISTER	CA	95023
P04375	AMERITONE PAINT CORP	LONG BEACH	CA	90801
P05073	AMERON INC	ANDOVER	KS	67002
P04063	AMERON INC	LITTLE ROCK	AR	72209
P10033	AMERON PROTECTIVE COATING DIVI	BREA	CA	92621
P10034	AMERON-PROTECTIVE COATINGS DIV	BUFFALO	NY	14220
P04499	AMITAGE JOHN L & CO	RICHMOND	CA	94553
P03807	AMITY LACQUER PNT CHEMICL MFG	AMITY	AR	71921
P10037	AMPEX CORP MAGNETIC TAPE DIV	OPELIKA	AL	36801
P10701	AMSTERDAM COLOR WORKS INC	BRONX	NY	10461
P03663	ANCHOR COATINGS INC	WAUKESHA	WI	53186
P04052	ANCHOR PAINT MANUFACTURING CO	TULSA	OK	74101
P05945	ANDERSONS PLASTICS CO INC	NATICK	MA	01760
P02165	ANGLO AMERICAN VARNISH CO	ASBURY PARK	NJ	07712
P04724	ANNCOA PAINT & CHEMICAL CO	GARDENA	CA	90247
P06521	ANVIL PAINTS & COATINGS	LARGO	FL	33540
P02201	APEX COLOR WORKS INC	NEWARK	NJ	07105
P05227	APPLIED TINTING SYSTEMS	VALLEJO	CA	94590
P03459	ARGON PAINT & CHEMICAL CO	WESTLAND	MI	48185
P01663	ARGUS COATING CORP	BROOKLYN	NY	11222
P08014	ARMOR PAINT & CHEMICALS INC	ANAHEIM	CA	92805
P00977	ARMOR SHIELD INC	CINCINNATI	OH	45229
P10671	ARMSTRONG PAINT OF PUERTO RICO	CANOVANAS	PR	00629
P10056	ARMSTRONG PRODUCTS CO	WARSAW	IN	46580
P06299	ARO TEC COATING CORPORATION	SAN DIEGO	CA	92112
P07673	ARROW PAINT PRODUCTS CO INC	CUDAHY	CA	90201
P05051	ARROWHEAD PAINT PRODUCTS	DULUTH	MN	55809
P07786	ARTCO NATIONAL CORP	GLENDALE	CA	91206
P02872	ASSOCIATED PAX & PLASTICS	MIAMI	FL	33166
P05251	ASTRO PAINT CORP	DELRAY BEACH	FL	33444
P06536	ATECH CHEMICAL COATINGS CO	TOLEDO	OH	43602
P02844	ATECH INC OF FLORIDA	DUNEDIN	FL	33528
P02550	ATHEY C M PAINT CO	BALTIMORE	MD	21230
P04659	ATLANTIC VARNICH CO	LOS ANGELES	CA	90023
P02675	ATLAS CHEMICAL CO	MIAMI	FL	33166
P01795	ATLAS COATINGS CORP	LONG IS CY	NY	11101
P10052	ATLAS PAINT & VARNISH CO	IRVINGTON	NJ	07111
P01900	ATLAS PUTTY CO	BROOKLYN	NY	11231
P01898	ATLAS SYNTHETICS CORP	LONG IS CC	NY	11101
P10605	ATTLEBORO MFG CO	ATTLEBORO	MA	02760
P03474	AUTOMOBILE FINISHES INC	DEARBORN	MI	48126
P10063	AVALON INDUSTRIES INC	BROOKLYN	NY	11206
P10959	AVALON INDUSTRIES INC	MONROVIA	CA	90016
P00001	AVONDALE CHEMICAL CO INC	BIRMINGHAM	AL	35222
P03346	B & H PAINT & LACQUER CORP	CHICAGO	IL	60604
P03454	B & PAINT CORPORATION	FLINT	MI	48506
P07764	B W COATINGS CO INC	DELAIR	NJ	08110

PAINT INDUSTRY

P10065	BABBITT CHEMICAL CO	MATTAPOISETT	MA 02739
P07282	BALDWIN INDUSTRIES INC	FOLEY	AL 36535
P03097	BALL CHEMICAL COMPANY	GLENSHAW	PA 15116
P02544	BALTIMORE PAINT & CHEMICAL	BALTIMORE	MD 21230
P04496	BARKER CHEMICAL CO INC	VALDOSTA	GA 31601
P03274	BARKER CHEMICAL COMPANY	CHICAGO	IL 60627
P03929	BARR W M & COMPANY INC	MEMPHIS	TN 38113
P03293	BARRETT VARNISH CO	CICERO	IL 60650
P03352	BARTELS GORDON CO INC	ROCKFORD	IL 61108
P06453	BASF WYANDOTTE CORP	CARLSTADT	NJ 07072
P10071	BAY STATE CHEMICAL CO	PEABODY	MA 01960
P01504	BEACON PAINT WORKS INC	JAMAICA PLAIN	MA 02120
P03208	BEAVER PAINT CO	GIRARD	PA 16417
P03055	BEAVER PRODUCTS CO	COSHOCTON	OH 43812
P04334	BEE CHEMICAL COMPANY	GARDENA	CA 90248
P03392	BEE CHEMICAL COMPANY	LANSSNG	IL 60438
P04393	BEHR PROCESS CORPORATION	SANTA ANA	CA 92702
P01770	BELKNAP MORAN ALLEN CO INC	BROOKLYN	NY 11222
P05752	BELKNAP-MORAN PRODUCTS INC	BRONX	NY 10474
P04493	BENNETT ASSOCIATION	SALT LAKE CY	UT 84115
P02509	BERKLEY PRODUCTS CO INC	AKRON	PA 17501
P04947	BEST BROS PAINT MFG CO INC	READING	PA 19608
P08010	BEVERLEES SATIN STAIN INC	VISALIA	CA 93277
P06188	BIG SKY PAINT CO	RONAN	MT 59864
P06856	BIRK PAINT MANUFACTURERS INC	JERSEY CITY	NJ 07305
P02151	BISONITE COMPANY INC	TONAWANDA	NY 14150
P03341	BIX MANUFACTURING COMPANY INC	OLD HICKORY	TN 37138
P03338	BIXEL PAINT CORP	WARSAW	IN 46580
P04037	BLACK & PURYEAR PNT MFG CO IN	OKLAHOMA CITY	OK 73102
P03827	BLATZ PAINT CO INC	LOUISVILLE	KY 40202
P03064	BLUE RIBBON PAINT COMPANT	WHEELING	WV 26003
P02610	BLUE RIDGE TALC CO INC	HENRY	VA 24102
P02921	BODY BROS INC	CLEVELAND	OH 44146
P10275	BOISE-CASCADE SPECIALTY PAPERB	LOWVILLE	NY 13367
P02971	BOLCE PAINT CO	CINCINNATI	OH 45227
P07783	BONDEX INTERNATIONAL INC	KIRKWOOD	MO 63122
P06362	BOONE DANIEL PAINT CO INC	SEATTLE	WA 98109
P00210	BOSTIK FINCH INC	TORRANCE	CA 90502
P05759	BOURBON PAINT CO INC	BOURBON	MO 65441
P06234	BOYSEN PAINT CO	OAKLAND	CA 94623
P04455	BOYSEN PAINT CO	PORTLAND	OR 97210
P01572	BRADLEY C E LABORATORIS	BRATTLEBORO	VT 05301
P03066	BRADLEY PAINT COMPANY	CONNELLSVILLE	PA 15425
P10087	BRAZNELL CO	ST LOLIS	MO 63110
P10088	BRENEMAN INC	OSWEGO	NY 13126
P03831	BRIDGES SMITH & CO INC	LOUISVILLE	KY 40202
P02807	BRIGGS BROTHERS PAINT MFG CO	NASHVILLE	TN 37206
P04221	BRINER PAINT MANUFACTURING CO	CORPUS CHRISTI	TX 78405
P01608	BRISTOL PAINT AND LACQUER CO	FORESTVILLE	CT 06010
P05108	BRUDER M A & SONS INC	PHILADELPHIA	PA 19143
P03630	BRUNING PAINT	INDIANAPOLIS	IN 46206
P02549	BRUNING PAINT CO INC	BALTIMORE	MD 21234
P08042	BRUNING PAINT CO INC	POMPANO BEACH	FL 33061
P05827	BRUNSWICK PAINT CO	E BRUNSWICK	NJ 08816
P03945	BRYANT & WILLIAMS INC	MEMPHIS	TN 38118
P07290	BUCKEYE PAINT & RESEARCH CO	TOLEDO	OH 43606
P02832	BUHL CHEMICAL CO	ORLANDO	FL 32803
P01577	BURGESS FORBES PAINT COMPANY	PORTLAND	ME 04112
P03927	BURK-HALL COMPANY	MEMPHIS	TN 38118
P04470	BURKES PAINT CO INC	WASHOUGAL	WA 98671
P04186	BUTE JAMES COMPANY	HOUSTON	TX 77001

PAINT INDUSTRY

P06145	C P L CORP	VALENCIA	CA 91355
P01584	C P L CORPORATION	CHICOPEE	MA 01020
P01524	CABOT SAMUEL INC	BOSTON	MA 02108
P04151	CACTUS PAINT MANUFACTURING CO	BIG SPRING	TX 79720
P07721	CADDO PAINT COMPANY INC	SHREVEPORT	LA 71103
P01528	CADILAC PAINT & VARNISH CO	ALLSTON	MA 02134
P04314	CAL WESTERN PAINT INC	SANTA FE SPGS	CA 90670
P04159	CAL-COTE PAINT MFG CO	SAN ANGELO	TX 76901
P02523	CAL-TONE PAINTS INC	RALEIGH	NC 27610
P02339	CALBAR INC	PHILADELPHIA	PA 19125
P02812	CALDWELL CHEM COATINGS	FAYETTVILLE	NC 37334
P03794	CALDWELL PAINT MFG CO	ST LOUIS	MO 63112
P01531	CALIFORNIA PRODUCTS CORP	CAMBRIDGE	MA 02139
P10101	CALORIC COLOR CO	HACKENSACK	NJ 07601
P02625	CAMBRRIDGE COATINGS/GA INC	BRUNSWICK	GA 31520
P02903	CAMBRIDGE COATINGS INC	MAPLE HEIGHTS	OH 44137
P02660	CAMCO PAINTS INC	DECATUR	GA 30030
P07199	CAMDEN PAINT & LACQUER	CHERRY HILL	NJ 08034
P07206	CAMGER CHEMICAL SYSTEMS INC	NORFOLK	MA 02056
P03401	CAMPBELL-ODELL INC	MAHOMET	IL 61853
P02914	CANSTO PAINT & VARNISH CO INC	CLEVELAND	OH 44104
P06765	CAPITOL CITY PAINT CO INC	ATLANTA	GA 30341
P04040	CAPITOL PAINT MFG CORP	OKLAHOMA CITY	OK 73109
P03559	CARBIT PAINT COMPANY	CHICAGO	IL 60622
P10955	CARBOLINE CO	HAYWARD	CA 94540
P06148	CARBOLINE CO	XENIA	OH 45385
P10956	CARBOLINE COMPANY	ST LOUIS	MO 63141
P10104	CARBOLINEUM WOOD PRESERVING C	MILWAUKEE	WI 53223
P04311	CARDINAL INDUSTRIAL FINISHES	S EL MONTE	CA 91733
P03781	CARDINAL PAINT CORP	ST LOUIS	MO 63107
P01712	CARLISLE CHEM MFG CO	BROOKLYN	NY 11222
P02612	CAROLINA COATINGS INC	CHARLOTTE	NC 28203
P02342	CARROLL LTD INC	PHILA	PA 19125
P03613	CARTER PAINT COMPANY INC	LIBERTY	IN 47353
P04624	CARTOON COLOUR COMPANY INC	CULVER CITY	CA 90230
P01586	CATAAYTIC PAINT CO INC	EASTHAMPTON	MA 01027
P10105	CATO OIL AND GREASE CO	OAKLAHOMA CITY	OK 73117
P03556	CELANESE COATINGS	DETROIT	MI 48212
P10629	CELANESE STEIN HALL CO	CHARLOTTE	NC 28208
P10107	CELLOFILM CORP	CHICAGO	IL 60638
P10106	CELLOFILM CORP	WOODRIDGE	NJ 07075
P10114	CELOTEX CORP	PERTH AMBOY	NJ 08862
P03729	CELUCOAT CORPORATION	ST LOUIS	MO 63130
P06654	CERAM-TRAZ CORPORATION	MINNEAPOLIS	MN 55426
P04275	CERTIFIED COATING PRODUCTS CO	LOS ANGELES	CA 90022
P04193	CHAMPION PAINT MFG CO	HOUSTON	TX 77040
P01658	CHAMPION PAINT MFG CO INC	BRONX	NY 10460
P10116	CHAMPION PRDTS INC	LACYGNE	KS 66040
P03996	CHARLES PAINT RESEARCH INC	KANSAS CITY	MO 64132
P03254	CHASE PRODUCTS CO	MAYWOOD	IL 60153
P06473	CHEM-GUARD PRODUCTS	CULVER CITY	CA 90230
P02539	CHEMCOAT INC	MONTOURSVILLE	PA 17754
P04956	CHEMEX CHEM & COATINGS CO	TAMPA	FL 33605
P04366	CHEMICAL COATING CORP	PICO RIVERA	CA 90660
P02198	CHEMICAL COATING MATERIALS CO	BELLEVILLE	NJ 07109
P10123	CHEMICAL COATINGS CORP	PROVIDENCE	RI 02904
P03858	CHEMICAL SPECIALTIES INC	CALEDONIA	MI 49316
P05588	CHEMICAL SPECIALTY CO	BELLAIRE	OH 43906
P10125	CHEMICICAL DEVELOPMENT CORP	DANVERS	MA 01923
P07216	CHEMICOTE	KENILWORTH	NJ 07033
P10551	CHRIS DALE PLANT MANAGER	ATLANTA	GA 30318

PAINT INDUSTRY

P04315	CIRCLE PAINT CORP	NO HOLLYWOOD	CA 91605
P01588	CLARK PAINT & VARNISH CO INC	WEST SPRINGFIELD	MA 01089
P02391	CLEMENT COVERALL COMPANY	CAMDEN	NJ 08104
P06878	CLEVELAND COATING CORPORATION	CLEVELAND	OH 44111
P06400	CLOSE-UP LABORATORIES	COMPTON	CA 90222
P07084	CLOWES PROTECTIVE COATINGS IN	CHATTANOOGA	TN 37404
P03223	CLYDE PAINT & SUPPLY CO INC	CLYDE	OH 43410
P00612	CO-POLYMER CHEMICALS INC	LIVONIA	MI 48150
P05619	COATINGS LAB INC THE	S PORTLAND	ME 04106
P04559	COLLEGE PARK PAINT CO INC	SAN JOSE	CA 95110
P01537	COLONIAL LACQUER CHEMICAL CO	ASHLAND	MA 01721
P03852	COLONIAL PAINT CO	CHARLESTOWN	IN 47111
P06093	COLOR SERVICE CENTER	LANCASTER	CA 93534
P02828	COLOR WHEEL PAINT MFG CO	ORLANDO	FL 32804
P03961	COLORADO PAINT COMPANY	DENVER	CO 80216
P03416	COLORAMA PAINT & WALLPAPER CO	ROCKFORD	IL 61111
P03715	COLUMBIA PAINT CO	HELENA	MT 59601
P06076	COLUMBIA PAINT CO	SPOKANE	WA 99202
P03200	COLUMBIA PAINT CORPORATION	HUNTINGTON	WV 25728
P02084	COLUMBIA PAINT INC	JERSEY CITY	NJ 07304
P02178	COMET CHEMICAL CO INC	NEWARK	NJ 07114
P02984	COMMERCIAL CHEMICAL CO INC	CINCINNATI	OH 45204
P02881	COMMERCIAL COATINGS CORP	MIAMI	FL 33147
P10143	CON-CHEM INC	HAWTHORNE	CA 90250
P02576	CONCHEMCO	BALTIMORE	MD 21203
P04005	CONCHEMCO INC	HOUSTON	TX 77008
P06370	CONCHEMCO INC	LOS ANGLES	CA 90031
P10145	CONCHEMCO INC-COATINGS GROUP	KANSAS CITY	MO 64127
P04317	CONKLIN-FERSTERMAKER INC	BALDWIN PARK	CA 91706
P03619	CONNERVILLE PAINT & SUP CO	CONNERVILLE	IN 47331
P01518	CONSOLIDATED COLOR CORP	PEABODY	MA 01960
P04291	CONSOLIDATED PAINT CO INC	LOS ANGELES	CA 90023
P03255	CONSUMERS PAINT FACTORY INC	GARY	IN 46406
P03714	CONSUMERS PAINT MFG CO	BILLINGS	MT 59103
P02585	CONTACT PAINT & CHEMICAL CORP	BALTIMORE	MD 21223
P02930	CONTINENTAL PRODUCTS CO THE	EUCLID	OH 44117
P02428	CONTINENTAL TECHNICAL FINISHS	BROOKLYN	NY 11205
P04614	CONTRACT COATINGS CORP	STOCKTON	CA 95202
P01525	CONVERSE LONGYEAR & CO	SUMMERFIELD	OH 43788
P03587	COOK PAINT & VARNISH CO	DETROIT	MI 48238
P04198	COOK PAINT & VARNISH CO	HOUSTON	TX 77001
P04001	COOK PAINT & VARNISH CO	N KANSAS CITY	MO 64116
P10937	COOK PAINT & VARNISH COMPANY	N KANSAS CITY	MO 64116
P10149	COOPERS CREEK CHEMICAL CORP	W CONSHOHOCKE	PA 19428
P02826	CORONADO PAINT CO INC	EDGEWATER	FL 32032
P10151	COSDEN CHEMICL COATINGS CORP	BEVERLY	NJ 08010
P00448	COTA INDUSTRIES INC	DES MOINES	IA 50320
P05406	COTTER & COMPANY	CHICAGO	IL 60622
P04600	COWAN-CAMPBELL PAINT CO	SEATTLE	WA 98107
P07980	CPL CHEMICAL PRODUCTS DIVISION	HICKORY	NC 28601
P03538	CRAWFORD LAVORATORIES INC	CHICAGO	IL 60609
P04414	CRAWFORD PRODUCTS CO	MONTEBELLO	CA 90640
P07098	CREATIVE COATINGS INC	KILGORE	TX 75662
P03231	CRESSET CHEMICAL CO INC	WESTON	OH 43569
P04249	CROSBY FOREST PRODUCTS INC	PICAYUNE	MS 39466
P02867	CROWN PAINT INC	HIALEAH	FL 33010
P10925	CRUMBACHER M INC	NEW YORK	NY 10001
P03537	COONER & O CONNOR CO	CHICAGO	IL 60624
P04357	CUSTOM COATINGS CO	VENICE	CA 90291
P10390	CUSTOMS COATING	OAKLAND	CA 94621
P04419	CYRON COATINGS CO INC	PARAMOUNT	CA 90723

PAINT INDUSTRY

P04815	D & B PAINT MANUFACTURING CO	FT LAUDERDALE	FL	33361
P07999	D & L PAINT CO INC	CAMBRIDGE CY	IN	47327
P05532	D A P INC	TIPP CITY	OH	45371
P10156	D P I QUALITY PAINTS INC	CLEARWATER	FL	33516
P04139	DAL-WORTH PAINT MFG CO	MESQUITE	TX	75149
P10157	DALY PROTECTIVE COATINGS CO	HAMMOND	IN	46320
P04598	DALYS INC	SEATTLE	WA	98103
P01505	DAMPNEY COMPANY	EVERETT	MA	02149
P04094	DAN-TEX PNT & COATING MFG CO	DALLAS	TX	75218
P04561	DANACOLORS INC	SAN FRANCISCO	CA	94124
P01773	DANIEL PRODUCTS COMPANY	JERSEY CITY	NJ	07304
P01775	DATO CO INC	BROOKLYN	NY	11215
P04428	DAU-HANSEN PAINT COMPANY	LOS ANGELES	CA	90064
P02344	DAUBERT CHEMICAL COMPANY	PHILADELPHIA	PA	19136
P10907	DAUBERT CHEMICAL COMPANY	POMONA	CA	91766
P10927	DAVIES IMPERIAL COATINGS	CHICAGO	IL	60631
P03787	DAVIS DON V CO	ST LOUIS	MO	63147
P04494	DAVIS NATHAN W CO	SALT LAKE CY	UT	84115
P04008	DAVIS PAINT COMPANY	N KANSAS CITY	MO	64116
P02606	DAVIS PAINT MANUFACTURERS INC	LYNCHBURG	VA	24502
P01524	DAVIS-BARLOW CORP	LODI	NJ	07644
P07165	DAVLIN PAINT CORP INC	OAKLAND	CA	94606
P03295	DAY JAMES H & CO	CARPENTERSVL	IL	60110
P10952	DAY-GLO COLOR CORP	CLEVELAND	OH	44103
P10953	DAY-GLO COLOR CORP	S EL MONTE	CA	91733
P06915	DE BEERS LABORATORIES INC	ADDISON	IL	60101
P04508	DE BOOM PAINT CO	SAN FRANCISCO	CA	94107
P03611	DE HART PAINT & VARNISH CO IN	LOUISVILLE	KY	40206
P02934	DE SANTIS C PAINT MFG CO INC	CLEVELAND	OH	44105
P03740	DE VAN SEALANTS INC	ST LOUIS	MO	63147
P03159	DEAN & BARRY COMPANY THE	COLUMBUS	OH	43215
P07202	DECATUR INDUSTRIAL PARK	DECATUR	AL	35601
P04977	DECOR PAINT MFG OF DECATUR	DECATUR	IL	62523
P06569	DECORATIVE INDUSTRIES INC	SLOATSBURG	NY	10974
P04399	DEER-O-PAINTS & CHEMICALS LTD	PHEONIX	AZ	85001
P04282	DEFT INC	IRVINE	CA	92714
P02923	DEFT INC OF OHIO	ALLIANCE	OH	44601
P02840	DEGLO PAINT MANUFACTURING CO	ORLANDO	FL	32809
P04045	DEL PAINT CORPORATION	OKLAHOMA CITY	CO	73117
P10165	DEL VAL INK AND COLOR INC	RIVERTON	NJ	08077
P10168	DELKOTE INC	PENNS GROVE	NJ	08069
P07726	DELTA LABORATORIES	HIALEAH	FL	33010
P02633	DELTA LABORATORIES INC	OCALA	FL	32670
P10169	DELTA PAINTS	S EL MONTE	CA	91733
P04423	DELTA TECNICAL COATINGS	EL MONTE	CA	91733
P00681	DENNIS CHEMICAL CO INC	ST LOUIS	MO	63103
P10170	DESANTIS COATINGS INC	WILLOUGHBY	OH	44094
P04495	DESERET PAINT COMPANY INC	SALT LAKE CY	UT	84111
P02916	DEVINE PAINT & VARNISH CO INC	CLEVELAND	OH	44104
P10631	DEVOE AND REYNOLDS DIV GROW	HOUSTON	TX	77033
P10632	DEVOE AND REYNOLDS DIV GROW	LOUISVILLE	KY	40203
P10633	DEVOE AND REYNOLDS DIV GROW	RIVERSIDE	CA	92502
P10533	DEXTER CORP HYSOL DIVISION H	OLEAN	NY	14760
P10918	DEXTER CORP MIDLAND DIVISION	BIRNINGHAN	FL	35215
P01846	DEXTER CORP MIDLAND DIVISION	CLEVELAND	OH	44104
P10947	DEXTER CORP MIDLAND DIVISION	HAYWARD	CA	94544
P03168	DEXTER CORPORATION	ROCKY HILL	CT	06067
P03169	DEXTER CORPORATION THE	WAUKEGAN	IL	60085
P04195	DIAMOND PAINT CO OF HOUSTON	HOUSTON	TX	77045
P04774	DIAMOND PRODUCTS CO	MARSHALLTOWN	IA	50158
P07456	DIAMOND VOGEL PAINT COMPANY	BURLINGTON	IA	52601

PAINT INDUSTRY

P07479	DIAMOND VOGEL WITTE DIVISION	BURLINGTON	IA 52601
P07234	DISTRIBUTORS INC	GRAND RAPIDS	MI 49507
P10716	DIXIE OBRIEN CORP	BRUNSWICK	GA 31520
P03276	DOLAN V J & CO INC	CHICAGO	IL 60639
P03219	DOLPHIN PAINT & CHEMICAL CO	TOLEDO	OH 43603
P02280	DONOVAN PAINT & LACQUER CO INC	ROCHESTER	NY 14610
P02596	DOUGLAS CHEMICAL CO	RICHMOND	VA 23230
P02824	DOZIER & GAY PAINT CO	JACKSONVILLE	FL 32206
P10178	DUBOIS CHEMICAL DIV-CHEMED CO	SHARONVILLE	OH 45244
P04347	DUELL PAINT CO	SOUTH GATE	CA 90280
P05882	DUNHAM T C PAINT CO INC	YONKERS	NY 10701
P04263	DUNN-EDWARDS CORP	LOS ANGELES	CA 90040
P04262	DUNN-EDWARDS CORP	TEMPLE	AR 85282
P06771	DUO PAINTS OF ELKHORN INC	ELKHORN	WI 53121
P04092	DUPACO PAINT INC	WICHITA	KS 67219
P07784	DURA BOND MANUFACTURING	ST CHARLES	MO 63301
P02192	DURALAC CHEMICAL CORPORATION	NEWARK	NJ 07105
P01546	DURANT PAINTS INC	REVERE	MA 02151
P02990	DURELL PAINT AND VARNISH	DAYTON	OH 45403
P10185	DURO ART SUPPLY INC	CHICAGO	IL 60626
P10147	DURON INC	BELTSVILLE	MD 20705
P03264	DUTCH BOY PAINTS	CHICAGO	IL 60643
P04629	DUTCH BOY PAINTS	LOS ANGELES	CA 90023
P03789	DUTCHER PAINT & VARNISH CO	CALIFORNIA	MO 65018
P05253	DYCO CHEMICALS & COATINGS INC	CLEARWATER	FL 33520
P10949	DYMO VISUAL SYSTEMS CRAFTINT	AUGUSTA	GA 30903
P10197	DYNALOY INC	HANOVER	NJ 07936
P10163	E-B INDUSTRIE DAPWORTH DIV	PO DRAWER K AVON	CT 06001
P10197	E-BOND EPOXIES INC	FT LAUDERDALE	FL 33307
P10190	E-M LUBRICANTS INC	N HOLLYWOOD	CA 91605
P02635	EAGEL PICHER INDUSTRIES INC	JACKSONVILLE	FL 32201
P10189	EAGLE-BRIDGE	BYRON	GA 31008
P04004	EARL CAMPBELL MFG CO INC	N KANSAS CITY	MO 64116
P03670	EASTERDAY PAINT & CHEM CO	RACINE	WI 53404
P03667	EASTERDAY PAINT & CHEMICAL CO	KENOSHA	WI 53140
P03671	EASTERDAY PAINT & CHEMICAL CO	MILWAUKEE	WI 53207
P01530	EASTERN LACQUER CORP	MALDEN	MA 02148
P02216	EASTERN PAINT & VARNISH WORKS	HAWTHORNE	NJ 07507
P02919	EASTERN SPECIALTY VARNISH CO	BRUTON	OH 44021
P10933	ECONOMIC LABORATORY INC	JOLIET	IL 60436
P10932	ECONOMICS LABORATORY INC	AVENEL	NJ 07001
P10934	ECONOMICS LABORATORY INC	EAGAN	MN 55121
P10673	ECONOMY PRODUCTS CORP	BAYAMON	PR 00619
P01835	EGLESTON HARDWARE CO INC	HOLBROOK	MA 02343
P03542	EGYPTIAN LACQUER MFG CO	LAFAYETTE	IN 47902
P02233	EGYPTIAN LACQUER MFG CO THE	KEARNY	NJ 07032
P07454	EL DORADO PAINT & VARNISH CO	EL DORADO	AR 71730
P10158	EL DORADO PAINT CO	SACRAMENTO	CA 95820
P10201	ELECTROFILM INC	N HOLLYWOOD	CA 91605
P06907	ELITE COATING CO INC	GORDON	GA 31031
P00081	ELIXIR INDUSTRIES	GARDENA	CA 90248
P03405	ELKHART PAINT MFG CO INC	ELKHART	IN 46514
P02123	ELL-BEE CHEMICAL CO INC	EAST HANOVER	NJ 07936
P10203	ELLIS PAINT CO	LOS ANGELES	CA 90023
P02656	EMPIRE PAINT MANUFACTURING CO	TAMPA	FL 33605
P01665	EMPIRE STATE VARNISH CO INC	BROOKLYN	NY 11222
P00754	EMPIRE WHITE PRODUCTS CO INC	NEWARK	NJ 07105
P04369	ENDRES PAINT CO	BELL	CA 90201
P05174	ENTERPRISE COMPANIES THE	WHEELING	IL 60090
P07762	ENVIRONMENTAL COATINGS CORP	WHITEHOUSE	NJ 08888
P01874	EPOLLUX MFG CORP	LONG ISLAND CITY	NY 11105

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PAINT INDUSTRY

P05962	ERIE COATINGS AND CHEMICALS	ERIE	MI 48133
P03643	ESSEN T C COMPANY	MILWAUKEE	WI 53208
P10960	ESSEX CHEMICAL CORP	SAYREVILLE	NJ 08872
P07378	ESSEX CHEMICAL CORPORATION	JAMESTOWN	NY 14701
P03641	EVANS PRODUCTS COMPANY	ROANOKE	VA 24015
P10213	EVENS-THOMPSON MANUFACTURING	TROY	MI 48084
P02067	EVERSEAL MFG CO	RIDGEFIELD	NJ 07657
P04326	EVR-GARD COATINGS CORPORATION	PARAMOUNT	CA 90723
P02918	EXCELSIOR VARNISH INC	CLEVELAND	OH 44104
P10230	FABER-CASTELL CORP	NEWARK	NJ 07103
P00556	FARBOIL COMPANY	BALTIMORE	MD 21222
P03959	FARMLAND INSUSTRIES INC	KANSAS CITY	MO 64116
P05009	FARRELL-CALHOUN INC	MEMPHIS	TN 38103
P03700	FARWELL, OZMUN, KIRK & CO	GOLDEN VALLEY	MN 55427
P04525	FARWEST PNT MANUFACTURING CO	TUKWILA	WA 98168
P10923	FERRO CHEMICAL DIV FERRO CORP	BEDFORD	OH 44146
P06197	FERRO CORP	ARLINGTON	TX 76011
P07154	FERRO CORP	PLYMOUTH	IN 46563
P10235	FERRO CORP-COMPOSITES DIV	NORWALK	CT 06852
P10924	FERRO CORPORATION	CLEVELAND	OH 44105
P03644	FERROBRON METAL PAINT CO INC	MILWAUKEE	WI 53223
P02716	FIELDCO COMPANY	WILLIAMSTON	SC 29697
P04294	FINE LINE PAINT CORP	SANTA FE SPGS	CA 90670
P02266	FINGER LAKES PAINT MFG CO	PHELPS	NY 14532
P10239	FINISHES UNLIMITED INC	SUGAR GROVE	IL 60504
P02345	FINNAREN & HALEY INC	CONSHOHOCKEN	PA 19428
P04461	FIRLOCK PAINTS	PORTLAND	OR 97223
P02928	FISCHER EDWARD J CO THE	CINCINNATI	OH 45241
P10240	FLAMEMASTER CORP THE	SUN VALLEY	CA 91352
P10241	FLAMORT CHEMICAL CO	SAN FRANCISCO	CA 94103
P04529	FLECTO COMPANY INC TH E	OAKLAND	CA 94604
P01926	FLEXABAR CORPORATION	NORTHVALE	NJ 07647
P10243	FLEXCO OF FLORIDA INC	FT PIERCE	FL 33450
P06904	FLOOR SUPPLY & COLORAYPNT CO	ATLANTA	GA 30341
P04932	FLOQUIL PRODUCTS INC	COBLESKILL	NY 12043
P04741	FLORIDA PROTECTIVE COATINGS	CLEARWATER	FL 33515
P02718	FLYNN FINISHES INC	KNOXVILLE	TN 37916
P04105	FLYNT PAINT PRODUCTS CO INC	HILLSBORO	TX 76645
P03481	FORD MOTOR COMPANY	MOUNT CLEMENS	MI 48043
P03604	FORD PAINT & VARNISH CO INC	GRAND RAPIDS	MI 49504
P08048	FORREST PAINT CO	EUGENE	OR 97402
P03004	FOY-JOHNSTON INC	CINCINNATI	OH 45212
P03424	FRANCHE D C & CO	DAVENPORT	IA 52803
P03294	FRANCHE D C & COMPANY	CHICAGO	IL 60622
P04516	FRANK W DUNNE CO	EMERYVILLE	CA 94662
P01507	FRANKLIN PAINT COMPANY INC	FRANKLIN	MA 02038
P04273	FREDERICKS-HANSEN PAINTS CO	SN BERNARDINO	CA 92408
P03720	FROST PAINT AND OIL CO	MINNEAPOLIS	MN 55413
P02334	FUMOZONE CO	PHILADELPHIA	PA 19134
P10253	FURANE PLASTICS INC	LOS ANGELES	CA 90039
P01949	FYN PAINT & LACQUER CO INC	BROOKLYN	NY 11211
P07420	G & H COATINGS	CHICAGO	IL 60640
P00987	G & S PLASTICS CO THE INC	CLEVELAND	OH 44125
P02879	GABLE-TITE PRODUCTS CO	MIAMI	FL 33147
P10446	GACO-WESTERN INC	SEATTLE	WA 98188
P01591	GAGNON-HASKELL INC	AUBURN	ME 04210
P04608	GALLAWAY J J	PORTLAND	OR 97202
P01669	GARCO SHELLAC CO INC	BROOKLYN	NY 11203
P10448	GARDNER MARTIN ASPHALT CORP	TAMPA	FL 33675
P10449	GARDNER MARTIN ASPHALT CORP	WINSTHOMSAL	NC 27105
P03114	GARDWELL PRODUCTS MFG CO	WAMPUM	PA 16157

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PAINT INDUSTRY

P04846	GATES ENGINEERING CO INC	WILMINGTON	DE 19899
P03086	GATEWAY PAINT & CHEMICAL	PITTSBURGH	PA 15201
P07980	GAVLON INDUSTIRES INC	AUSTIN	TX 78745
P04048	GEMINI LACQUERS INC	EL RENO	OK 73036
P06884	GENERAL COATINGS INC	WESTFORD	MA 01886
P03911	GENERAL PAINT & CHEM CO	CHICAGO	IL 60614
P10634	GENERAL PAINT & CHEMICAL CO	CARY	IL 60013
P06418	GENERAL POLYMER INC	CENTRAL FALLS	RI 02863
P03174	GENERAL POLYMERS CORP	CINCINNATI	OH 45212
P00682	GEORGE P D CO	ST LOUIS	MO 63147
P02765	GIBSON HOMANS CO	GRETNA	LA 70053
P10456	GIBSON HOMANS CO	MATAWAN	NJ 07747
P04511	GIBSON HOMANS CO	RICHMOND	CA 94804
P04545	GIBSON PAINT CO	OAKLAND	CA 94606
P02766	GIBSON-HOMANS CO	KANSAS CITY	MO 64101
P05224	GIBSON-HOMANS CO	PORTLAND	OR 97201
P05157	GIBSON-HOMANS CO	TAMPA	FL 33605
P05333	GIBSON-HOMANS COMPANY	DES MOINES	IA 50316
P00988	GIBSSN-HOMANS COMPANY	CLEVELAND	OH 44106
P01727	GILES VARNISH CO INC	COLLEGE POINT	NY 11356
P02675	GILLMAN S L PAINT CO	ATLANTA	GA 30315
P02702	GILMAN PAINT & VARNISH CO INC	CHATTANOOGA	TN 37401
P10922	GILSONITE CORP	PORTLAND	OR 97211
P04125	GIVEN PAINT MANUFACTURING CO	EL PASO	TX 79905
P04312	GLASTIC MASTER CO	EL MONTE	CA 91733
P10675	GLEEM PAINTS OF P R	CIDRA	PR 00639
P01662	GLOSS-FLO CORPORATION	BROOKLYN	NY 11211
P01508	GLOUCESTER CO INC	FRANKLIN	MA 02038
P07594	GODDARD JACK FINISHING SUPPLY	HUMBLE	TX 77338
P04514	GOSS & GOSS	SAN FRANCISCO	CA 94124
P10442	GRAFO COLLOIDS CORP	SHARON	PA 16146
P03398	GRAHAM PAINT & VARNISH CO INC	CHICAGO	IL 60632
P04003	GRAHN MFG CO INC	KANSAS CITY	MO 64126
P03605	GRAND RAPIDS WOOD FINISHING	GRAND RAPIDS	MI 49502
P01863	GREENPOINT PAINT & VARNISH	BROOKLYN	NY 11205
P02405	GREGG CO THE	RIVERTON	NJ 08077
P07176	GROCO PAINT MANUFACTURING CO	DALLAS	TX 75217
P07716	GROW CHEMICAL COATING CORP	BATON ROUGE	LA 70811
P10313	GROW CHEMICAL CORP PONTIAC COA	PONTIAC	MI 48056
P07213	GUARDSMAN CHEMICAL COATINGS	HIGH POINT	NC 27261
P04722	GUARDSMAN CHEMICAL COATINS	VANCOUVER	WA 98660
P07939	GUARDSMAN CHEMICAL INC	ORLANDO	FL 32305
P00665	GUARDSMAN CHEMICALS INC	GRAND RAPIDS	MI 49507
P07293	GUARDSMAN CHEMICALS INC	LOUISVILLE	KY 40210
P04234	GULF PAINT & CHEM CO	GULFPORT	MS 39501
P06835	GULF STATES PAINT CO	HOUSTON	TX 77045
P06733	H & H GLAZE COMPANY	FOREST PARK	GA 30050
P08045	HAAS CHEMICAL CORPORATION	TAYLOR	PA 18517
P04487	HALL JOHN W COMPANY INC	OGDEN	UT 84401
P03637	HALLMAN PAINTS INC	SUN PRAIRIE	WI 53590
P02611	HAMPTON PNT MFG CO INC	HAMPTON	VA 23669
P01549	HANCOCK PAINT & VARNISH CO	HINGHAM	MA 02043
P04123	HANLEY PAINT MFG CO INC	ELPASO	TX 79985
P02546	HANLINE BROS INC	BALTIMORE	MD 21230
P02783	HANNA CHEMICAL COATINGS CORP	BIRMINGHAM	AL 35202
P03041	HANNA CHEMICAL COATINGS CORP	COLUMBUS	OH 43216
P10705	HARCO CHEMICAL CO	CRANFORD	NJ 07016
P01716	HARCO CHEMICAL COATING INC	BROOKLYN	NY 11222
P04348	HARPER STAIN & LACQUER	SOUTH GATE	CA 90280
P02272	HARRIS PAINT COMPANY	TAMPA	FL 33622
P10676	HARRIS PAINT DE PUERTO RICO	MINILLAS	PR 00619

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PAINT INDUSTRY

P02188	HARRIS PAINT PRODUCTS INC	LINDEN	NJ 07036
P03153	HARRISON PAINT CORP	CANTON	OH 44711
P01768	HARTIN PAINT AND FILLER	KEARNY	NJ 07032
P03235	HARWOOD R B PRODUCTS INC	CHICAGO	IL 60621
P02595	HASKELL CHEMICAL CO INC	RICHMOND	VA 23228
P06456	HENCHY INDUSTRIES INC	DES PLAINES	IL 60018
P10460	HENDERSON H A CO	LOS ANGELES	CA 90016
P02857	HENDRY AL & COMPANY	TAMPA	FL 33612
P04936	HENKLE INC	OAK CREEK	WI 53154
P06024	HENTZEN CHEMICL COATINGS INC	MILWAUKEE	WI 53218
P02559	HEUBECK PAINT AND VARNISH	BALTIMORE	MD 21224
P07441	HI LINE PAINT MFG CO INC	CAMPBELL	CA 95008
P06559	HISTRAND CHEMICAL INC	LENOIR	NC 28645
P01811	HOBOKEN PAINTS INC	LODI	NJ 07644
P10464	HOFFERS INC PAINT DIV	WAUSAU	WI 54401
P04247	HOLRITE INC	BATON ROUGE	LA 70805
P07804	HOOSIER PAINT MFG CO INC	GARY	IN 46408
P05566	HOOVER BALL & BEARING COMPANY	MAULDIN	SC 29662
P05315	HORIZON CHEMICALS INC	ST PETERSBURG	FL 33714
P05994	HUGHES PAINT CO INC	LOS ANGELES	CA 90047
P10526	HUGHSON CHEMICALS-LORD CORP	SAEGERTOWN	PA 16433
P10527	HUMISEAL DIVISION	WOODSIDE	NY 11377
P10528	HUNT PROCESS CO INC	SANTE FE SPRS	CA 90670
P06951	HUTSON INDUSTRIES INC	DENVER	CO 80223
P03826	HY-KLAS PAINTS INCORPORATED	LOUISVILLE	KY 40210
P03034	HYU RYT PAINT CO	COLUMBUS	OH 43223
P03534	HYDRCCSOL INC	CHICAGO	IL 60650
P03865	I V C INDUSTRIAL COATINGS INC	INDIANAPOLIS	IN 46218
P01625	I-SIS CHEMICAL INC	STAMFORD	CT 06907
P06116	I-SIS CHEMICALS INC	JEFFERSON CY	MO 65101
P01235	IDEAL INDUSTRIALS	DALLAS	TX 75210
P04458	ILLER PAINT CO	PORTLAND	OR 97230
P02822	IM-CO	EDGEWATER	FL 32032
P04466	IMPERIAL PAINT CO	PORTLAND	OR 97210
P02781	INDURALL COATINGS INC	BIRMINGHAM	AL 35201
P01730	INDUSTRIAL FINISHING PROD	BLYN	NY 11208
P04426	INDUSTRIAL PROCESS CHEMICAL	CARSON	CA 90745
P02782	INGELS PAINT MANUFACTURING	MEMPHIS	TN 38116
P02277	INGLIS CO INC	MANLIUS	NY 13104
P02015	INMONT CORP	DETROIT	MI 48210
P02017	INMONT CORPORATION	ANAHEIM	CA 92803
P02979	INMONT CORPORATION	CINCINNATI	OH 45207
P10930	INMONT CORPORATION	MORGANTON	NC 28655
P02016	INMONT INC	GRAND RAPIDS	MI 49509
P02049	INSL-X PRODUCTS CORP	YONKERS	NY 10701
P02551	INTERCOASTAL CORP	UNION CITY	CA 94587
P05067	INTERCOASTAL PAINT CO	HOUSTON	TX 77018
P04293	INTERNATIONAL COATINGS CO INC	COMPTON	CA 90222
P04230	INTERNATIONAL PAINT CO INC	NEW ORLEANS	LA 70186
P07170	INTERSTATE PAINT CORP	BRUNSWICK	GA 31520
P03409	IOVITE CHEMICALS INC	MATTESON	IL 60443
P03434	IOWA PAINT MFG CO INC	DES MOINES	IA 50305
P10230	IPA SYSTEMS INC	PHILA	PA 19134
P10541	ISOCHEM RESINS CO	LINCOLN	RI 02865
P04747	J & C CORPORATION	MISHAWAKA	IN 46544
P10546	JAMESON C F AND CO INC	BRADFORD	MA 01830
P03075	JAMESTOWN PAINT & VARNISH CO	JAMESTOWN	PA 16134
P07122	JANEWAY-BENNETT PAINT INC	BAKERSFIELD	CA 93309
P10613	JAS H MATTHEWS & CO	PITTSBURGH	PA 15226
P02003	JASPER CHEMICAL COATING	CINCINNATI	OH 45212
P02103	JAUCO PAINT PRODUCTS INC	RONKONKOMA	NY 11779

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PAINT INDUSTRY

P03766	JAY BEE PAINT CO INC	ST LOUIS	MO 63139
P00487	JELLICO CHEMICAL COMPANY INC	LOUISVILLE	KY 40211
P10054	JOHN L ARMITAGE & CO	ELKGROVE VILLAGE	IL 60007
P01110	JOHNSON PAINT CO	MCKEES ROCKS	PA 15136
P02850	JOHNSON PAINTS INC	FORT MYERS	FL 33901
P04093	JONES-BLAIR COMPANY	DALLAS	TX 75235
P03660	JOSTEN N & CO	MILWAUKEE	WI 53209
P06929	JOTUN-BALTIMORE COPPER PNT CO	BALTIMORE	MD 21230
P07919	JOURGENSEN PAINT COMPANY	GLENROCK	WY 82637
P10550	K C COATINGS INC	N KANSAS CITY	MO 64116
P06003	KAISER JOHN C CO	DUBUQUE	IA 52001
P02963	KALCOR COATINGS CO	WILLOUGHBY	OH 44094
P04818	KALMAN PAINT & CHEMICAL CO	TRENTON	NJ 08618
P03318	KANARTEX CORPORATION	GALESBURG	IL 61401
P10554	KANSAS CORRECTION INDUSTRIES	LANSING	KS 66043
P04057	KANSAS PAINT & COLOR COMPANY	WICHITA	KS 67202
P10555	KAUFMAN PRODUCTS INC	BALTIMORE	MD 21216
P08063	KEL GLO CORP	MIAMI	FL 33138
P01614	KELLER & LONG INC	WATERTOWN	CT 06795
P03813	KELLEY TECHNICAL COATINGS INC	LOUISVILLE	KY 40210
P07038	KELLY MOORE PAINT COMPANY INC	HURST	TX 76053
P10714	KELLY-MOORE PAINT CO	KIRKLAND	WA 98033
P10715	KELLY-MOORE PAINT CO	ONTARIO	CA 91761
P03957	KELLY-MOORE PAINT CO INC COLO	DENVER	CO 80216
P00182	KELLY-MOORE PAINT COMPANY INC	SAN CARLOS	CA 94070
P03744	KEMPEN PAINT CO	E CARONDELET	IL 62240
P01545	KEN-LAC CHEMICAL CO INC	FALL RIVER	MA 02724
P10556	KENITEX CHEMICALS INC	TORRENCE	CA 90502
P10557	KENTUCKY PAINT MANUFACTURING	LEXINGTON	KY 40502
P02848	KEY LABORATORIES INC	LARGO	FL 33540
P01560	KIRBY GEORGE JR PAINT CO INC	NEW BEDFORD	MA 02740
P02236	KIRKER CHEMICAL CO	PATERSON	NJ 07524
P10563	KIRSTAL KRAFT INC	PALMETTO	FL 33561
P07068	KISH S P INDUSTRIES INC	CHARLOTTE	MI 48813
P07706	KISSER PAINT MFG CO INC	NEW PHILA	OH 44663
P03436	KLINGER PAINT CO INC	CEDAR RAPIDS	IA 52401
P03353	KNS COMPANIES INC	CAROL STREAM	IL 60187
P03818	KOCH GEORGE SONS INC	EVANSVILLE	IN 47744
P03953	KOHLER-MC LISTER PAINT CO	DENVER	CO 80202
P02191	KOPPERS CO	NEWARK	NJ 07114
P05105	KOPPERS COMPANY INC	IRVING	TX 75060
P05231	KOPPERS COMPANY INC	LOS ANGELES	CA 90058
P05513	KOPPERS COMPANY INC	MARIETTA	GA 30060
P02214	KOPPERS COMPANY INC	WESTFIELD	NJ 07090
P07934	KOSAN INDUSTRIAL CORP	LONG IS CY	NY 11101
P04982	KURFEES COATINGS INC	LOUISVILLE	KY 40202
P03598	KUSH INDUSTRIES	ROSEVILLE	MI 48066
P03952	KWAL PAINTS INC	DENVER	CO 80239
P01515	KYANIZE PAINTS INC	EVERETT	MA 02149
P01838	KYANIZE PAINTS INC	SPRINGFIELD	IL 62708
P04503	L & H PAINT PRODUCTS INC	SAN FRANCISCO	CA 94103
P01762	LACQUER & CHEMICAL CORP	BROOKLYN	NY 11232
P06694	LAIRD CORPORATION	KOKOMO	IN 46901
P10565	LAKE CHEMICAL CO	CHICAGO	IL 60612
P01652	LANDAU J & CO INC	CARLSTADT	NJ 07072
P02073	LANDZETTEL & SONS INC	FAIR LAWN	NJ 07410
P04578	LARSON COMPANY	TACOMA	WA 98465
P02323	LAWRENCE MCFADDEN CO THE	PHILA	PA 19136
P04642	LAWSON ENTERPRISES INC	TORRANCE	CA 90502
P10572	LAWTER CHEMICAL INC	S KEARNEY	NJ 07032
P10570	LAWTER CHEMICALS INC	CHICAGO	IL 60645

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PAINT INDUSTRY

P04612	LEATHERMAN PAINT COMPANY	SAN JOSE	CA 95125
P01722	LEHMAN BROS CORP	JERSEY CITY	NJ 07305
P02555	LENMAR LACQUERS INC	BALTIMORE	MD 21223
P04661	LEWIS W D PAINT CO	CONCORD	CA 94518
P04374	LIFE PAIN CORPORATION	SANTA FE SPRINGS	CA 90670
P01842	LILLY CHEMICAL PRODUCTS INC	TEMPLETON	MA 01468
P02642	LILLY COMPANY INC THE	HIGH POINT	NC 27260
P06301	LILLY INDUS COATINGS INC TENN	MEMPHIS	TN 38113
P10702	LILLY INDUSTRIAL COATINGS INC	HILLSBORO	OR 97123
P03617	LILLY INDUSTRIAL COATINGS INC	INDIANAPOLIS	IN 46225
P04341	LILLY INDUSTRIAL COATINGS INC	MONTEBELLO	CA 90640
P04972	LILLY INDUSTRIAL COATINGS INC	THOROFARE	NJ 08086
P07590	LIMBACHER PAINT & COLOR CO	CLEVELAND	OH 44107
P03629	LINDEMAN CORPORATION	INDIANAPOLIS	IN 46222
P03680	LINDSAY FINISHES INC	MADIOSN	WI 53704
P04592	LIQUID COATINGS INC	EDMONDS	WA 98020
P10580	LLOYD LABORATORIES INC	PEABODY	MA 01960
P10582	LOES ENTERPRISES INC	ST PAUL	MN 55104
P02585	LOMBARD PAINT & HOWE	BALTIMORE	MD 21231
P04090	LONE STAR PAINT & LACQUER INC	HENDERSON	TX 75652
P02115	LONG ISLAND PAINT	GLENCOVE LI	NY 11542
P04476	LONGVIEW PAINT & VARNISH CO	LONGVIEW	WA 98632
P03834	LOUISVILLE VARNISH COMPANY	LOUISVILLE	KY 40201
P03835	LOUISVILLE VARNISH COMPANY	LOUISVILLE	KY 40217
P03329	LOUDON PAINT INC	WOODSTOCK	IL 60098
P10586	LOWE BROTHERS CO	DAYTON	OH 45402
P04346	LUNAX CHEMICAL MANUFACTURING	LOS ANGELES	CA 90013
P05626	LUPTON BROTHERS PAINT	PHOENIX	AZ 85002
P01627	M & M PAINT MFG CO	PAWTUCKET	RI 02860
P03615	M A B PAINTS INC	TERRE HAUTE	IN 47808
P10596	M AND T CHEMICALS INC	CARROLLTON	KY 41008
P10597	M AND T CHEMICALS INC	HUNTINGTON	NY 11743
P10944	M&M CHEMICAL SALES CORP	MANSON	MA 01057
P10593	M-R PLASTICS AND COATINGS INC	MARYLAND HGTS	MO 63043
P02251	MAAS & WALSTEIN CO	NEWARK	NJ 07104
P06111	MAC MILLIN C E CO	SAN FERNANDO	CA 91342
P07329	MAC-O-LAC PAINTS INC	DETROIT	MI 48234
P10600	MACDERMID INC	WATERBURY	CT 06708
P01771	MAGNET PAANT & SHELLAC CO INC	BROOKLYN	NY 11230
P02907	MAHONING PAINT CORPORATION	YOUNGSTOWN	OH 44501
P02955	MAMECO INTERNATIONAL INC	CLEVELAND	OH 44128
P04525	MANNING-MITCHELL CO	CHICO	CA 95926
P02429	MANSFIELD PAINT COMPANY THE	MANSFIELD	OH 44901
P03689	MANUS PRODUCTS COMPANY INC	ROYAL OAK	MI 48073
P04391	MAR LAK PRODUCTS INC	GARDENA	CA 90247
P03641	MARCUS EDW H PAINT CO INC	LOUISVILLE	KY 40202
P10608	MARCUS EDW M PAINT CO INC	NASHVILLE	TN 37204
P00573	MARSON CORP	CHELSEA	MA 02150
P01693	MARTIN PAINT & CHEMICAL CORP	JAMAICA	NY 11432
P03404	MARTIN VARNISH CO	CHICAGO	IL 60609
P10610	MARTIN-SENOUR CO	CHICAGO	IL 60608
P02574	MARVELITE INC	BALTIMORE	MD 21230
P10511	MARYLAND STATE USE INDUSTRIES	JESSUP	MD 20794
P04023	MASTER MADE PAINTS INC	CARL JUNCTION	MO 64834
P03251	MATTHEWS PAINT CO	WHEELING	IL 60090
P03666	MAUTZ PAINT CO	MADISON	WI 53701
P05908	MAXI-KOTE PAANT CO INC	CHAMBLEE	GA 30341
P04720	MC CORMICK PAINT WORKS CO INC	STONE MON	GA 30083
P02655	MC CORMICK PAINT WORKS INC	ROCKVILLE	MD 20851
P00191	MC GLENNON H J COMPANY INC	SAN FRANCISCO	CA 94107
P05473	MCCARTY PAINT CO	SANTA CRUZ	CA 95060

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PAINT INDUSTRY

P02319	MCCLOSKEY VARNISH CO	PHILADELPHIA	PA 19136
P02321	MCCLOSKEY VARNISH CO OF THE	LOS ANGELES	CA 90040
P02320	MCCLOSKEY VARNISH CO OF THE N	PORTLAND	OR 97210
P10615	MCNABB C JOHN LABORATORIES IN	LANCASTER	PA 17604
P05449	MECCC	NEW ORLEANS	LA 70130
P03448	MERCURY PAINT COMPANY	DETROIT	MI 48227
P01672	MERCURY PAINT CORP	BROOKLYN	NY 11203
P01534	MERRIMACK IND FINISHES INC	HAVERHILL	MA 01830
P10619	METALCRETE MANUFACTURING CO	CLEVELAND	OH 44141
P07614	MICA-KOTE WATERPROOFNG MFG	SAN LEANDRO	CA 94577
P00597	MICHIGAN CHROME & CHEMICAL CO	DETROIT	MI 48213
P10621	MICHIGAN CROME-CHEMICAL CO	HOPE	AR 71801
P03490	MICHIGAN INDUSTRIAL FINISHES	DETROIT	MI 48211
P05146	MID AMERCN PROTECTIVE COATINGS	ARLINGTON HTS	IL 60007
P03754	MID-STATES PNT & CHEMICAL CO	ST LOUIS	MO 63126
P10623	MIDLAND COOPERATIVE INC	MINNEAPOLIS	MN 55413
P02298	MIDSTATE PAINT CORP	SYRACUSE	NY 13215
P06643	MIDSTATE PAINT MFG CO	DAYTON	OH 45403
P10624	MIDWEST LACQUER MANUFACTURING	SCHILLER PK	IL 60176
P07449	MIDWEST PAINT AND COLOR	WAYNE	MI 48184
P03721	MIDWEST PAINT MFG CO	MINNEAPOLIS	MN 55411
P01574	MILJO CHEMICAL CO INC	EXETER	NH 03833
P04459	MILLER PAINT CO	PORTLAND	OR 97214
P10658	MILLER PURCELL CO INC	NEW LENOX	IL 60451
P10663	MILLIGAN J G AND CO	DALLAS	TX 75237
P07157	MILLIGAN J G AND CO	OAK CREEK	WI 53154
P10662	MILLIGAN J G AND CO	OAK CREEK	WI 53154
P05981	MILLMASTERONYX CORPORATION	BROOKLYN	NY 11222
P01993	MINNESOTA MINING & MFG	BROWN WOOD	TX 76801
P10938	MINNESOTA MINING & MFG	GUIN	AL 35563
P10940	MINNESOTA MINING & MFG	NEVADA	MO 64772
P10939	MINNESOTA MINING & MFG	ST PAUL	MN 55133
P02206	MINWAX COMPANY INC	CLIFTON	NJ 07011
P10957	MINWAX COMPANY INC	CLIFTON	NJ 07011
P10936	MINWAX COMPANY INC	FLORA	IL 62839
P05949	MINWAX COMPANY INC	SPARKS	NV 89431
P03581	MISSION COATINGS INC	HOUSTON	TX 77025
P04666	MISSION PAINT MFG CO	FREMONT	CA 94538
P04232	MISSISSIPPI PAINT & VARNISH	JACKSON	MS 39204
P03728	MISSOURI PAINT & VARNISH CO	ST LOUIS	MO 63147
P04241	MOBILE PAINT MFG CO INC DEL	THEODORE	AL 36782
P10641	MODERN COATINGS DIV OF RETTAN	CERRITOS	CA 90701
P02131	MOHAWK FINISHING PRODUCTS INC	AMSTERDAM	NY 12010
P03425	MOLINE PAINT MANUFACTURING CO	MOLINE	IL 61265
P01583	MONOLINE PAINTS & VARNISH CO	BROOKLYN	NY 11231
P02349	MONROE LEDERER & TAUSSIG INC	LANSDALE	PA 19446
P02961	MOORE BENJAMIN & CO	CLEVELAND	OH 44105
P06304	MOORE BENJAMIN & CO	COLONIAL HTS	VA 23834
P04204	MOORE BENJAMIN & CO	HOUSTON	TX 77007
P03527	MOORE BENJAMIN & CO	MELROSE PARK	IL 60160
P01567	MOORE BENJAMIN & CO	MILFORD	MA 01757
P02448	MOORE BENJAMIN & CO	NEWARK	NJ 07105
P03757	MOORE BENJAMIN & CO	ST LOUIS	MO 63104
P02821	MOORE BENJAMIN & CO INC	JACKSONVILLE	FL 37201
P04325	MOORE BENJAMIN & CO INC	LOS ANGELES	CA 90040
P03959	MOORE BENJAMIN & COMPANY	DENVER	CO 80205
P05592	MORRIS INDUSTRIES INC	EAST ST LOUIS	IL 62207
P02226	MORTELL CO	PERTH AMBOY	NJ 08861
P10650	MORTELL CO	RIVERSIDE	CA 92507
P10651	MORTELL CO	WARREN	MI 48091
P10666	MORTELL CO	WICHITA	KS 67219

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PAINT INDUSTRY

P06555	MORTELL COMPANY	GRIFFIN	GA 30223
P00323	MORTELL COMPANY	KANKAKEE	IL 60901
P04538	MORTON PAINT COMPANY	STOCKTON	CA 95203
P06414	MOUNTAIN STATES PAINT MFG CO	BOISE	ID 83705
P02006	MULLER INDUSTRIES INC	CINCINNATI	OH 45237
P10567	MULTI CLEAN DIV HB FULLER	ST PAUL	MN 55116
P02931	MULTI-COAT CORPORATION	CLEVELAND	OH 44146
P03668	MURMAC FINISHES INC	BELOIT	WI 53511
P02432	NANKEE ALUMINUM PAINT CO INC	FARMINGDALE	NY 11735
P07743	NAPKO CORPOATION CALIFORNIA	FREMONT	CA 94538
P04194	NAPKO CORPORATION	HOUSTON	TX 77021
P10948	NATIONAL BRONZE POWER CO INC	FRANKLIN PARK	IL 60131
P02419	NATIONAL COATING CORP	ATLANTIC CITY	NJ 08401
P02799	NATIONAL PAINT & OIL COMPANY	NASHVILLE	TN 37211
P04283	NATIONAL PAINT VARNISH CO INC	LOS ANGELES	CA 90023
P01865	NAUTICAL MARINE PAINT CORP	BROOKLYN	NY 11203
P04211	NEGLEY & COMPANY INC	SAN ANTONIO	TX 78212
P06690	NELSON PAINT CO OF ALABAMA	MONTGOMERY	AL 36108
P04478	NELSON PAINT CO OF OREGON THE	MCMINNVILLE	OR 97128
P03684	NELSON PAINT COMPANY OF MICH	IRON MOUNTAIN	MI 49801
P06012	NEHITZ OF SONS	HUTCHINSON	MN 55350
P01705	NEW ENGLAND COATING WORKS INC	BRONX	NY 10474
P03949	NEW MEXICO PAINT MFG	ALBUQUERQUE	NM 87108
P01911	NEW YORK BELL PAINT CORP	BRONX	NY 10461
P00582	NEWTON POTTERS & SUPPLY INC	W NEWTON	MA 02165
P03525	NIKOLAS G J & CO INC	BELLWOOD	IL 60104
P03349	NILES CHEMICAL PAINT CO INC	NILES	MI 49120
P03635	NONWEILER A P CO INC	OSHKOSH	WI 54901
P01541	NORFOLK CORP	QUINCY	MA 02171
P04474	NORRIS PAINT & VARNISH INC	SALEM	OR 97308
P07169	NORTH AMERICAN PAINT CORP	WANAMASSA	NJ 07712
P02050	NORTH JERSEY PAINT CO INC	WALLINGTON	NJ 07055
P00614	NORTHERN COATING CHEMICAL CO	MENOMINEE	MI 49858
P03682	NORTHLAND PAINT MANUFACTURERS	GREEN BAY	WI 54305
P01799	NORTON AND SON INC	BAYONNE	NJ 07002
P10233	NORTON CO	WALPOLE	MA 02081
P10207	NSIGN PRODUCTS CO	CLEVELAND	OH 44105
P04869	NU PUTTIE CORP	MAYWOOD	IL 60153
P01834	NU-BRITE CHEMICAL COMPANY INC	TAUNTON	MA 02780
P02572	O BRIEN CORP THE	BALTIMORE	MD 21213
P04640	O BRIEN CORPORATION THE	S SN FRANCSCO	CA 94080
P01696	OAKLEY & DAVIES INC	S OZONE PARK	NY 11420
P06337	OATEY INC	SAN JOSE	CA 95133
P02159	OCEAN CHEMICALS INC	SAVANNAH	GA 31402
P06517	OHIO FARMULATORS INC	MIDDLEBURG HTS	OH 44130
P04292	OLD QUAKER PAINT CO INC	CARSON	CA 90745
P03949	OLD WESTERN PAINTS INC	DENVER	CO 80204
P10920	OLYMPIC STAIN	BATAVIA	IL 60510
P10259	OLYMPIC STAIN CO	SEATTLE	WA 98107
P10919	OLYMPIC STAIN DIV COMERCO	LOUISVILLE	KY 40214
P04112	OMEGA INDUSTRIES INC	GRAPEVINE	TX 76051
P05078	OMITECH INDUSTRIES INC	ENGLEWOOD	CO 80110
P10250	ORB INDUSTRIES INC	UPLAND	PA 19015
P01627	ORELITE CHEMICAL COATINGS INC	IRVINGTON	NJ 07111
P04237	ORLEANS PAINT CO INC	JEFFERSON	LA 70121
P01444	ORN TEC FABRICATING	KENT	WA 98031
P03979	OSAGE PAANT & VARNISH CO	KANSAS CITY	KS 66105
P04396	P F I INC	SANTA FE SPGS	CA 90670
P00130	PACTRA INDUSTRIES INC	UPLAND	CA 91786
P04297	PAINT & COATINGS CORP	CY OF INDUSTY	CA 91744
P02893	PAINT CORPORATION OF AMERICA	OPA LOCKA	FL 33054

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PAINT INDUSTRY

P06193	PAINT POT	ALBUQUERQUE	NM 87104
P06745	PAINT PRODUCERS INC	ST LOUIS	MO 63132
P03044	PAINT PRODUCTS INC	DANVILLE	OH 43014
P02639	PAINT PRODUCTS INC	WINSTON-SALEM	NC 27105
P03408	PAINTCRAFT CO INC	GALESBURG	IL 61401
P10268	PALMER ASPHALT CO	BAYONNE	NJ 07002
P10269	PALMER PAINT PRODUCTS INC	TROY	MI 48084
P01149	PALMER PRODUCTS INC	WORCESTER	PA 19490
P08077	PANDALAI CHEMICAL CO INC	BRADDOCK	PA 15104
P02332	PAOLINI MARQUETT PNT VARNISH	PHILADELPHIA	PA 19125
P07191	PAOLINI VARNISH WORKS INC	CAMDEN	NJ 08103
P01753	PARIS PAINT & VARNIS CO INC	BROOKLYN	NY 11208
P04576	PARKER PAINT MFG CO INC	TACOMA	WA 98411
P07129	PARKER-CAIN INDUSTRIES INC	DES MOINES	IA 50314
P01539	PARKS CORPORATION	SOMERSET	MA 02726
P01706	PARKS PAINT & VARNISH CO INC	JERSEY CITY	NJ 07307
P02922	PARR INC	CLEVELAND	OH 44110
P07471	PARR INC	OCALA	FL 32670
P02182	PARR W M & CO INC	EAST HANOVER	NJ 07936
P02127	PASSONO CORPORATION THE	WATERVLIET	NY 12189
P01984	PATERSON SARGENT	N BRUNSWICK	NJ 08902
P02018	PATTERSON SARGENT	TULSA	OK 74101
P10908	PAUHERT CHEM CO	CHICAGO	IL 60638
P03678	PAUL'S PAINT & VAR CO	NEW MUNSTER	WI 53152
P06114	PAULESS PAINT INC	PITTSBURG	CA 94565
P10278	PECORA CORPORATION	GARLAND	TX 75041
P03683	PEERLESS OAINT MFG CO INC	APPLETON	WI 54911
P01748	PEERLESS PAINT & VARNISH CORP	BROOKLYN	NY 11201
P03071	PEERLESS PAINTS CO INC	CULLMAN	AL 35055
P04243	PEN-KOTE PAINT CO INC	PENSACOLA	FL 32505
P10279	PENCO ENTERPRISES INC	CLEVELAND	OH 44144
P07580	PENCO ENTERPRISES INC	HOUSTON	TX 77007
P07338	PENN COLOR INC	FLEMINGTON	NJ 08822
P02197	PENN JERSEY PNT & VARNISH CO	NEWARK	NJ 07104
P02460	PENNSBURY COATINGS CORPORATIO	NEW BRITAIN	PA 18901
P01932	PEPER BROS INC	RICHMOND HILL	NY 11418
P06747	PERFECTION INDUSTRIES CO	CLEVELAND	OH 44102
P03354	PERFECTION VARISH COMPANY INC	FORT WAYNE	IN 46806
P04603	PERFECTION-LETZ PAINT CO INC	KENNEWICK	WA 99336
P06791	PERMA FLAKE CORP	GREENVILLE	MS 38701
P10289	PERMAFLEX PRODUCTS CO INC	PHILADELPHIA	PA 19122
P10290	PERMAGILE CORP OF AMERICA	PLAINVIEW	NY 11803
P03501	PERMALAC CORPORATION THE	DETROIT	MI 48212
P10293	PERMALITE PLASTICS CORP	NEWPORT BEACH	CA 92660
P10294	PERMALUME PLASTICS CORP	VANCOUVER	WA 98665
P10295	PERMANENT PIGMENTS	CINCINNATI	OH 45212
P10296	PERMANENT PIGMENTS	WINFIELD	KS 67156
P06202	PERMITE CORPORATION THE	STONE MOUNTAIN	GA 30033
P02996	PERRY & DERRICK CO	CINCINNATI	OH 45212
P04304	PERVO PAINT CO	LOS ANGELES	CA 90001
P03582	PETERSON CHEMICAL CORPORATION	SHEBOYGAN	WI 53081
P03967	PETERSON PAINT	PUEBLO	CO 81002
P02227	PETTIT PAINT CO INC	ROCKAWAY	NJ 07866
P07337	PFU-PENN COLOR INC	DOYLESTOWN	PA 18901
P01895	PHOENIX ABRASIVE & MFG	JAMAICA	NY 11433
P02715	PIEDMONT PAINT MFG CO	GREENVILLE	SC 29606
P00619	PIERCE & STEVENS CHEMICAL COR	BUFFALO	NY 14203
P01107	PIERCE & STEVENS CHEMICAL COR	KIMBERTON	PA 19442
P01887	PIERCE F O COMPANY	LONG IS CY	NY 11101
P10951	PILGRIM PERMOCOAT INC	TAMPA	FL 33601
P04397	PIMA PAINT CO	PHOENIX	AZ 85009

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PAINT INDUSTRY

P08074	PINE TREE PRODUCTS CO	BRACKENRIDGE	PA	15014
P02304	PINOL MFG CO INC	CAMDEN	NJ	08105
P05612	PINTEX CHEMICAL CO	HIALEAH	FL	33014
P01601	PIONEER PAINT & LACQUE CORP	LEICESTER	MA	01524
P04400	PIONEER PAINT AND VARNISH CO	TUCSON	AZ	85732
P03420	PIONEER PAINT PRODUCTS INC	MELROSE PARK	IL	
P10302	PLASTI-KOTE COMPANY	MEDINA	OH	44256
P01458	PLASTIC COATINGS CORPORATION	CHARLESTON	WV	25304
P03563	PLASTIC ENGINEERING INC	MISHAWAKA	IN	46544
P06049	PLI-C SEAL COATING	ROLLING MEADOW	IL	60008
P01563	POHL COLOR & CHEMICAL CORP	SALEM	MA	01970
P10307	POLYMER CHEMICAL COMPANY	CINCINNATI	OH	45215
P10311	POLYMER PLASTICS CORP	WESTBURY	NY	11590
P06674	POLYTECH COATINGS INC	ROCKAWAY	NJ	07866
P00839	POLYTEX INDUSTIAL FINISHERS	LONG IS CY	NY	11101
P10312	POLYVINYL CHEMICAL INDUSTRIES	LAWRENCE	MA	01840
P02464	POPE CHEMICAL CORP	PATERSON	NJ	07524
P03627	POTTER PAINT CO OF INDIANA IN	CAMBRIDGE CY	IN	47327
P02274	POTTER PAINT CO INC	CORTLAND	NY	13045
P06687	POVIA PAINTS INC	FORT MYERS	FL	33901
P10627	PPG	DOVER	DE	19901
P07850	PPG INDUSTRIES	OAK CREEK	WI	53154
P03105	PPG INDUSTRIES INC	DELAWARE	OH	43015
P05658	PPG INDUSTRIES INC	EAST POINT	GA	30344
P04181	PPG INDUSTRIES INC	HOUSTON	TX	77028
P03095	PPG INDUSTRIES INC	SPRINGDALE	PA	15144
P04332	PPG INDUSTRIES INC	TORRANCE	CA	90509
P03144	PPG INDUSTRIES INC AATOMOTIVE	CLEVELAND	OH	44111
P00620	PRATT & LAMBERT	BUFFALO	NY	14240
P04011	PRATT & LAMBERT INC	N KANSAS CITY	MO	64116
P10454	PRATT & LAMBERT INC	ORANGE	CA	92667
P02602	PRATT & LAMBERT INC	RICHMOND	VA	23230
P10318	PRATT AND LAMBERT	BUFFALO	NY	14220
P10315	PRATT AND LAMBERT	CAROL STREAM	IL	60187
P02559	PRECISION PAINT CORPORATION	ATLANTA	GA	30301
P05758	PRECISION TECHNICAL COATINGS	BERKELEY	CA	94710
P10320	PRECO	PLAINVIEW	NY	11803
P05722	PREFERRED FINISHES INC	NEWARK	NJ	07105
P10963	PREM-KOTE INC	FT LAUDERDALE	FL	33308
P03278	PREMIER PAINT & VARNISH CO	ARLINGTON HTS	IL	60007
P02975	PREMIUM FINISHES INC	CINCINNATI	OH	45215
P01450	PRESERVATIVE PAINT CO	SEATTLE	WA	98108
P04633	PRIDE PAINT MFG CO	SAN MATEO	CA	94402
P02593	PRILLAMAN COMPANY INC THE	MARTINSVILLE	VA	24112
P07400	PRIME LEATHER FINISHES CO	PEWAUKEE	WI	53072
P02010	PRIMER SPECIALTY PRODUCTS CO	BROOKLYN	NY	11203
P04117	PRIMROSE OIL COMPANY	DALLAS	TX	75220
P01664	PRINCE LACQUER & CHEMICAL COR	BROOKLYN	NY	11211
P06723	PRISMO UNIVERSAL CORPORATION	PENNSDALE	PA	17761
P10704	PROCTOR PAINT & VARNISH CO INC	ANAHEIM	CA	92803
P02070	PROCTOR PAINT & VARNISH CO INC	YONKERS	NY	10701
P07030	PRODUCT FINISHES INC	CINCINNATI	OH	45240
P10326	PRODUCTS RESEACH CHEMICAL CO	GLOUCESTER CY	NJ	08030
P10325	PRODUCTS RESEARCH & CHEMICAL C	GLENDALE	CA	91203
P04236	PRODUCTS RESEARCH SV INC	BELLE CHASSE	LA	70037
P03844	PROGRESS PAINT MFG CO	LOUISVILLE	KY	40201
P05893	PROKO	CAMBRIDGE CY	IN	47327
P04033	PROKO INDUSTRIES INC	KAUFMAN	TX	75142
P10941	PROKO INDUSTRIES INC	MADISON	SD	57042
P04625	PROKO INDUSTRIES INC	WAYCROSS	GA	31501
P02846	PROTECT COATINGS INC	TAMPA	FL	33606

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PAINT INDUSTRY

P03100	PRUETT-SCHAFFER CHEMICAL CO	PITTSBURGH	PA 15204
P07079	PULSAR INC	CHICAGO	IL 60632
P01650	PUR-ALL PAINT PRODUCTS CO INC	CALSTADT	NJ 07072
P03092	PURITAN PAINT & OIL CO	PITTSBURGH	PA 15233
P01497	RY ROCK CHEMICAL CORP	LONG IS CY	NY 11101
P01731	PYRAMID PAINT PRODUCTS INC	BROOKLYN	NY 11210
P07560	QUALITY COATINGS INC	TUPELO	MS 38801
P01738	QUALITY VARNISH CORP	NEWARK	NJ 07114
P06524	R-LITE CHEMICAL COATINGS INC	GENEVA	IL 60134
P10338	RAILCO ENG CO-VRECAL COATINGS	LONGWOOD	FL 32750
P03985	RAINBOW PAINT CO INC	SPRINGFIELD	MO 65801
P02542	RAKER PAINTS INC	KINGSTON	PA 18704
P10339	RAM CHEMICALS	GARDENA	CA
P02053	RANDOLPH PRODUCTS CO	CARLSTADT	NJ 07072
P10341	RANSBURG CORP	INDIANAPOLIS	IN 46208
P05812	RASMUSSEN & CO	BEAVERTON	OR 97005
P03203	RAYBO CHEMICAL CO	HUNTINGTON	WV 25722
P07507	RED DEVIL PAINTS & CHEMICALS	MOUNT VERNON	NY 10550
P03815	RED SPOT PAINT & VARNISH CO	EVANSVILLE	IN 47711
P08068	REDCOAT INDUSTRIES INC	BUFFALO	NY 14215
P02292	REEVE C A PAINT CO INC	SYRACUSE	NY 13204
P03093	REICHHOLD CHEMICALS INC	SEWICKLEY	PA 15143
P01657	RELACO MANFACTURING CO INC	BROOKLYN	NY 11216
P10351	RELIABLE COATINGS INC	EULESS	TX 76039
P03246	RELIABLE PASTE & CHEMICAL CO	CHICAGO	IL 60609
P01702	RELIABLE REMOVER & LACQUER	LONG IS CY	NY 11101
P05400	RELIANCE PAINT CO INC	BROOKLYN	NY 11211
P03849	RELIANCE UNIVERSAL INC	HIGH POINT	NC 27261
P10654	RELIANCE UNIVERSAL INC	VA BEACH	VA 23455
P04265	RELIANCE UNIVERSAL INC CAL	BREA	CA 92621
P03846	RELIANCE UNIVERSAL INC IL	ZION	IL 60099
P02180	RELIANCE UNIVERSAL INC NJ	SOMERSET	NJ 08873
P10678	RELIANCE UNIVERSAL OF P R INC	SAN JUAN	PR 00936
P02637	REN PAINTS INC	SANFORD	FL 32771
P03598	REPCO LITE PAINTS INC	HOLLAND	MI 49423
P02894	REPUBLIC POWDERED METALS	MEDINA	OH 44256
P07707	REPUBLIC POWDERED METALS INC	MEDINA	OH 44256
P05070	RESEARCH PRODUCTS	PHOENIX	AZ 85017
P02430	RESEARCH SALES INC	MAHWAH	NJ 07430
P03993	REVILO PAINT & VARNISH CO INC	KANSAS CITY	MO 64105
P02052	REX INDUSTRIAL PAINT WORKS	OSSINING	NY 10562
P06887	REX TONE PAINT & CHEMICAL COR	MIAMI	FL 33166
P04513	RICH J M PAINT & VARNISH CO	OAKLAND	CA 94601
P02638	RICHARDS PAINT MFG CO INC	COCOA	FL 32922
P01978	RICHARDS W C CO INC	BLUE ISLAND	IL 60406
P04620	RICHARDS W C CO OF CALIFORNIA	ANAHEIM	CA 92800
P05609	RICHTONE PAINTS	HAWAIIAN GDNS	CA 90716
P05329	RICO CHEMICAL CO	TOCCOA	GA 30577
P07292	RILEY BROS INC	BURLINGTON	IA 52601
P03402	RIVER VALLEY COATINGS INC	AURORA	IL 60507
P07344	ROBINS PAINT PRODUCTS	GAYLORD	MI 49735
P03677	ROCK PAINT AND CHEMICAL CO IN	FORT ATKINSON	WI 53538
P03532	ROCKFORD CHEMICAL COATINGS	ROCKFORD	IL 61101
P10903	ROCKLAND CHEMICAL COATING INC	ST LOUIS	MO 63125
P04452	RODDA PAINT CO INC	PORTLAND	OR 97219
P07188	ROMA-KOTE PAINT MFR CO INC	NORRISTOWN	PA 19401
P01704	RONAN T J PAINT CORP	BRONX	NY 10454
P10346	ROSE-TALBERT PAINT CO INC	COLUMBIA	SC 29201
P08086	ROSS CHEMICAL ASSOCIATES INC	SAN MARINO	CA 91108
P05942	ROSS CHEMICAL PRODUCTS CO	HINGHAM	MA 02043
P02155	ROWE PRODUCTS INC	NIAGARA FALLS	NY 14305

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PAINT INDUSTRY

P01664	ROYAL LACQUER & ADHESIVE CO	BROOKLYN	NY 11236
P10349	ROYMAL COATINGS-CHEMICAL CO	NEWPORT	NH 03773
P10025	RUB N BUFF DIVISION	INDIANAPOLIS	IN 46268
P04597	RUDD PAINT & VARNISH CO INC	SEATTLE	WA 98119
P10360	RUSCOE W J CO INC	AKRON	OH 44301
P06060	RUSSCO PAINT MFG CO INC	BEAUMONT	TX 77704
P03270	RUST-OLEUM CORPORATION	EVANSTON	IL 60204
P05139	RUST-OLEUM CORPORATION	HAGERSTOWN	MD 21740
P10962	RUTLAND FIRE CLAY COMPANY	GASTONIA	NC 28052
P02122	RUTLAND FIRE CLAY COMPANY INC	RUTLAND	VT 05701
P04562	RYAN PAINT COMPANY INC	REDWOOD CITY	CA 94063
P04032	S E 6 PT & VRNSH MFG CO INC	OKLAHOMA CITY	OK 73104
P04672	SAGINAW PAINT MFG CO	SAGINAW	MI 48602
P10364	SAGOMORE INDUST FINISH CORP	AMESBURY	MA 01913
P01564	SALEM PAINT CO INC	SALEM	MA 01970
P02589	SAMPSON PAINT MFG CO	RICHMOND	VA 23234
P10383	SAMUEL SMIDT CHEMICAL CORP	PEABODY	MA 01960
P04251	SAN DIEGO COATINGS CO	SAN DIEGO	CA 92113
P04196	SAN JACINTO PAINT MFG CO	HOUSTON	TX 77021
P04648	SAN LUIS PAINTS	SAN LUIS OBISPO	CA 93401
P03427	SANDSTROM PRODUCTS CO	PORT BYRON	IL 61275
P04352	SANTA BARBARA COATINGS INC	SANTA BARBARA	CA 93101
P07693	SAPOLIN PAINTS INC	BROOKLYN	NY 11231
P02695	SAVANNAH PAINT MFG CO INC	SAVANNAH	GA 31408
P07545	SAVOGRAN CO OF ILLINOIS	ADDISON	IL 60101
P02523	SCHAEFER PAINT CO	RONKS	PA 17572
P09436	SCHENECTADY CHEMICALS INC	SCHENECTADY	NY 12301
P10909	SCHENECTADY CHEMICALS INC	SCHENECTADY	NY 12301
P03743	SCHULTE PNT & LLACQUER MFG CO	ST LOUIS	MO 63147
P00840	SCHWARTZ CHEMICAL CO INC	LONG IS CY	NY 11101
P00298	SCM GLIDDEN COATINGS	ATLANTA	GA 30318
P06997	SCM GLIDDEN COATINGS	CARROLLTON	TX 75006
P10223	SCM GLIDDEN COATINGS	CHICAGO	IL 60639
P10224	SCM GLIDDEN COATINGS	CHICAGO	IL 60616
P10222	SCM GLIDDEN COATINGS	MINNEAPOLIS	MN 55413
P06685	SCM GLIDDEN COATINGS	PORTLAND	OR 97210
P05201	SCM GLIDDEN COATINGS	READING	PA 19601
P04553	SCM GLIDDEN COATINGS	SAN FRANCISCO	CA 94107
P10598	SCM GLIDDEN COATINGS	WICKLIFFE	OH 44092
P10226	SCM GLIDDEN COATINGS & RESINS	HURON	OH 44839
P06442	SCM GLIDDEN COATINGS & RESINS	LOS ANGLES	CA 90022
P03133	SCOTT PAINT CORP	SARASOTA	FL 33577
P05173	SEABOARD PAINT WORKS LTD INC	LOS ANGELES	CA 90023
P07228	SEAGRAVE CORP-DEBEVOISE CO DIV	BROOKLYN	NY 11232
P10372	SEAL PEEL INC	TROY	MI 48044
P01707	SEAL RITE PAANT & CHEMICAL	BROOKLYN	NY 11211
P04863	SEAL TUFF PAINT CO MFG PNT	SAN FRANCISCO	CA 94124
P04611	SEAL-KOTE PACIFIC PAINT	PORTLAND	OR 97227
P04655	SEALSCO INC	SUN VALLEY	CA 91352
P04525	SEASIDE PAINT & LACQUER CO	LONG BEACH	CA 90813
P07127	SECURITY PAINT AND CHEMICAL	NEWARK	NJ 07114
P04467	SEHRUNG CORP	LOS ANGELES	CA 90039
P03489	SEIBERT OXIDERMO INC	DETROIT	MI 48211
P07630	SEIBERT OXIDERMO INC	ROMULUS	MI 48174
P07714	SEM PAINT COMPANY	BELMONT	CA 94002
P10375	SEMETEL INCORPORATED	LIMERICK	PA 19468
P07048	SENTCO PAINT MANUFACTURING CO	YOUNGSTOWN	OH 44509
P03244	SENTINEL PAINT & VARNISH CO	CHICAGO	IL 60639
P04364	SEQUOIA PAINT CO	BAKERSFIELD	CA 93305
P10376	SERVICE COATINGS INC	HARVEY	IL 60426
P04049	SERVICE PNT MFG CO	TULSA	OK 74104

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PAINT INDUSTRY

P02995	SET PRODUCTS INC	MACEDONIA	OH 44056
P04338	SHANNON-GLOW INC	LOS ANGELES	CA 90046
P06220	SHEBOYGAN PAINT CO INC	SHEBOYGAN	WI 53081
P02949	SHEFFIELD BRONZE PAINT CORP	CLEVELAND	OH 44119
P03628	SHELBY PAINT & ENAMEL CO INC	INDIANAPOLIS	IN 46241
P10216	SHERWIN WILLIAMS	CHICAGO	IL 60628
P10588	SHERWIN WILLIAMS	GIBBSBORO	NJ 08026
P10219	SHERWIN WILLIAMS	GREENSBORO	NC 27410
P10221	SHERWIN WILLIAMS	RICHMOND	KY 40475
P05418	SHERWIN-WILLIAMS	CLEVELAND	OH 44101
P10220	SHERWIN-WILLIAMS	FULTON	KY 42041
P07096	SHERWIN-WILLIAMS	GARLAND	TX 75040
P06347	SHERWIN-WILLIAMS	MORROW	GA 30260
P02446	SHERWIN-WILLIAMS	NEWARK	NJ 07105
P02759	SHERWIN-WILLIAMS	OAKLAND	CA 94608
P02943	SHILLING ENAMELS CO	CLEVELAND	OH 44111
P03723	SIERRA CORP THE	MINNEAPOLIS	MN 55429
P07132	SIGMA COATINGS INC	HARVEY	LA 70058
P10382	SIKA CHEMICAL CORP	LYNDHURST	NJ 07071
P04539	SIMPSON D J CO	S SN FRANCSCO	CA 94080
P10917	SINCLAIR PAINT COMPANY	LOS ANGELES	CA 90023
P07007	SINNETT LACQUER MFG CO	DOTHAN	AL 36301
P03763	SINNETT LACQUER MFG CO	ST LOUIS	MO 63112
P08011	SKANEATELES PAINT MFG	SKANFATELES	NY 13152
P02520	SMITH PAINT PRODUCTS	HARRISBURG	PA 17103
P04787	SNYDER BROTHERS INC	TOCCOA	GA 30577
P10384	SOC-CO PLASTICS COATINGS CO	CUCAMONGA	CA 91730
P10386	SOLAR COMPOUNDS CORP	LINDEN	NJ 07036
P03652	SOLAR PAANTS & VARNISHES INC	MILWAUKEE	WI 53221
P08061	SUMAY PRODUCTS INC	MIAMI	FL 33142
P06946	SOUTHERN COATINGS CHEMICAL CO	SUMTER	SC 29150
P10397	SOUTHERN COATINGS-CHEMICAL CO	SLIDELL	LA 70450
P04254	SOUTHERN IMPERIAL COATING COR	NEW ORLEANS	LA 70189
P04349	SOUTHERN LACQUER & PAINT CORP	SOUTH GATE	CA 90280
P04450	SOUTHERN PNT & VARNISH CO	TUCSON	AZ 85716
P10388	SOUTHERN PROTECTIVE PRODUCTS	ATLANTA	GA 30310
P06580	SOUTHLAND PAINT CO INC	RARITAN	NJ 08869
P04092	SOUTHLAND PAINT COMPANY INC	GAINESVILLE	TX 76240
P03991	SOUTHWEST GREASE OIL KNS CY	OLATHE	KS 66061
P04043	SOUTHWESTERN PAINT CO	OKLAHOMA CITY	OK 73106
P10391	SOUTHWESTERN PETROLEUM CORP	FORT WORTH	TX 76106
P07027	SOVEREIGN CHEMICAL CORP	PATERSON	NJ 07503
P04319	SPARTAN LACQUER & PAINT	DOWNEY	CA 90242
P04454	SPE-DE-WAY PRODUCTS CO INC	PORTLAND	OR 97217
P04644	SPECIALTY COATING & CHEM	N HOLLYWOOD	CA 91605
P06926	SPECIALTY FINISHES CO	CUCAMONGA	CA 91730
P10394	SPECTRACHEM CORP	PATERSON	NJ 07502
P07962	SPECTRUM COATINGS LABORATORIES	PROVIDENCE	RI 02905
P00183	SPENCER KELLOGG DIV OF TEXTRON	SAN CARLOS	CA 94070
P02665	SPENCER-ADAMS PAINT CO INC	ATLANTA	GA 30318
P04382	SPEREX CORPORATION	GARDENA	CA 90548
P10921	SPRAYLAT CORP	LOS ANGELES	CA 90016
P10396	SPRAYLAT CORP	MOUNT VERNON	NY 10550
P02763	SPRAYON PRODUCTS INC	BEDFORD HEIGHTS	OH 44146
P04168	SPROULL GEORGE CO INC	SHREVEPORT	LA 71101
P02634	SPRUANCE SOUTHERN INC	WINSTON-SALEM	NC 27102
P03778	ST LOUIS PAINT MFG CO	ST LOLIS	MO 63104
P02584	STA-CHI COMPANY THE	OREUTON	MO 21113
P08070	STAHLER PAINT MFG CO INC	BIRMINGHAM	AL 35207
P03908	STANDARD BRANDS PAINT CO	TORRANCE	CA 90509
P01818	STANDARD COATING CORP	RIDGEFIELD	NJ 07657

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PAINT INDUSTRY

P03452	STANDARD DETROIT PAINT CO	DETROIT	MI 48238
P10401	STANDARD DRY WALL PRODUCTS	CENTERVILLE	IN 47330
P10961	STANDARD DRY WALL PRODUCTS	EDGELY	PA 19007
P10402	STANDARD DRY WALL PRODUCTS	NEWARK	CA 94560
P03861	STANDARD PAINTS INCORPORATED	INDIANAPOLIS	IN 46203
P03562	STANDARD T CHEMICAL CO	CHICAGO HTS	IL 60411
P03557	STANDARD T CHEMICAL CO INC	DALLAS	TX 75247
P06623	STANDARD T CHEMICAL CO INC	SAN LEANDRO	CA 94577
P00844	STANDARD T CHEMICAL CO INC	STATEN ISLAND	NY 10303
P10929	STANDARD T CHEMICAL COMPANY	LINDEN	NJ 07036
P03149	STAR BTONZE CO	ALLIANCE	OH 44601
P01927	STAR-LITE VARNISH CO	BRONX	NY 10454
P05945	STATLER PAINT PRODUCTS INC	LYNN	MA 01905
P03674	STAY NEW PAINT CORP	LAKE MILLS	WI 53551
P03803	STEBBINS & ROBERTS INC	LITTLE ROCK	AR 72203
P03748	STEELCOTE MANUFACTURING CO	ST LOUIS	MO 63103
P01536	STERLING CLARK LURTON CORP	MALDEN	MA 02148
P01817	STEVENS PAINT CORP	YONKERS	NY 10701
P10405	STEWART PAINT MANUFACTURING C	MINNEAPOLIS	MN 55411
P03493	STILES PAINT COMPANY	KALAMAZOO	MI 49001
P07613	STILES PAINT MANUFACTURING CO	OAKLAND	CA 94608
P03955	STONE MYRON	ARVADA	CO 80002
P10406	STONHARD INC	MAPLE SHADE	NJ 08052
P10930	STRATHMORE PRODUCTS INC	SYRACUSE	NY 13201
P10931	STRATHMORE PRODUCTS INC	SYRACUSE	NY 13201
P01678	STROBLITE CO INC	NEW YORK	NY 10010
P03241	STUART CHEMICAL & PAINT INC	CHICAGO	IL 60628
P10407	STUDEBAKER CHEMICAL CO	ELYRIA	OH 44035
P07616	SUN COATINGS INC	LARGO	FL 35540
P02750	SUNNYSIDE CORPORATION	WHEELING	IL 60090
P06165	SUNSHINE STATE PAINT CO INC	ORLANDO	FL 32808
P02835	SUNTEC PAINT INC	GAINESVILLE	FL 32601
P03142	SUPERIOR COATINGS CORP	TIFFIN	OH 44883
P10682	SUPERIOR PAINT MANUFACTURING	SANTURCE	PR 00916
P10411	SUPERIOR SOLVENTS-CHEMICAL CO	ST LOUIS	MO 63133
P01544	SURFACE COATINGS INC	WILMINGTON	MA 01887
P03043	SURFACE RESEARCH CORP	BLACKLICK	OH 43004
P02827	SYNKOLOID CO DIV DUTCH BOY	ATLANTA	GA 30348
P04281	SYNKOLOID CO THE	COMPTON	CA 90221
P01823	SYNKOTE PAINT CO	ELMWOOD PARK	NJ 07407
P01709	SYNTHETIC PROTECTIVE COATING	BROOKLYN	NY 11237
P01677	TALON PAINT PRODUCTS CO INC	JERSEY CITY	NJ 07302
P02843	TAMPA PAINT & VARNISH CO INC	TAMPA	FL 33622
P06168	TANNER PAINT COMPANY INC	TAMPA	FL 33603
P10469	TAPECOAT CO INC	EVANSTON.	IL 60204
P01554	TARR & WONSON LIMITED	GLOUCESTER	MA 01930
P04823	TECHNICAL COATING CO	NUTLEY	NJ 07110
P07602	TECHNICAL COATINGS CO	MELROSE PARK	IL 60160
P03063	TECHNICAL COATINGS CO	OAKMONT	PA 15139
P04515	TECHNICAL COATINGS CO	SANTA CLARA	CA 95050
P10945	TECHNICAL COATINGS INC	AUSTIN	TX 78764
P06776	TECHNICAL COATINGS INC	LUBBOCK	TX 79417
P07728	TECHNICAL RESEARCH CO	BOISE	ID 83705
P01452	TECHNICAL RESEARCH COMPANY	SEATTLE	WA 98178
P02175	TENAX FINISHING PRODUCTS CO	NEWARK	NJ 07114
P03310	TESTOR CORPORATION THE	ROCKFORD	IL 61108
P02063	TEVCO INC	CARLSTADT	NJ 07072
P10475	TEXAS REFINERY CORP	FORTH WORTH	TX 76101
P00139	TEXTURED COATINGS OF AMERICA	LOS ANGELES	CA 90003
P05993	TEATURED COATINGS OF AMERICA	PANAMA CITY	FL 32405
P04097	THERM PROCESSES INC	DALLAS	TX 75203

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P10477	THERMOCLAD CO	ERIE	PA 16511
P10478	THERMOCLAD CO	NORWALK	CA 90650
P02679	THOMAS PAINT MANUFACTURING CO	ATLANTA	LA 30303
P04527	THOMPSON A H CO	BERKELEY	CA 94710
P10480	THOMPSON E A CO INC	HOLLISTER	CA 95023
P03698	TI KROMATIC PAINT INC	ST PAUL	MN 55108
P04307	TIBBETTS-NEWPORT COMPANY INC	SANTA ANA	CA 92707
P10481	TIBBETTS-WESTFIELD CO	LOS ANGELES	CA 90023
P04595	TIMESAVER PRODUCTS COMPANY IN	SEATTLE	WA 98119
P06598	TITAN FINISHES COPORATION	DETROIT	MI 48211
P05616	TNEMEC CO INC	KANSAS CITY	MO 64141
P03978	TNEMEC COMPANY INC	N KANSAS CITY	MO 64116
P02958	TOBIAS PAINT MANUFACTURING CO	CLEVELAND	OH 44146
P03225	TOLEDO PAINT & CHEMICAL CO IN	TOLEDO	OH 43601
P01511	TOURAINE PAINTS INC	EVERETT	MA 02149
P05293	TOUT JOHN CO	QUARRYVILLE	PA 17566
P02674	TOWER PAINT INVESTMENTS INC	HIALEAH	FL 33010
P04331	TRAIL CHEMICAL CORP	EL MONTE	CA 91731
P07595	TRANS-CHEM-CO	INDUSTRY	CA 91777
P01556	TRAVACO LABORATORIES INC	CHELSEA	MA 02150
P02939	TREMCO INCORPORATED	CLEVELAND	OH 44104
P04542	TRESCO PAINT CO INC	SAN JOSE	CA 95125
P10494	TRETOLITE DIV PETROLITE CORP	MIDLAND	TX 79701
P07573	TRI-COATINGS PAINT CO INC	FAYETTEVILLE	NC 28301
P01854	TRIAD PAINT & CHEM CORP	BROOKLYN	NY 11207
P04523	TRIANGLE PAINT CO	BERKELEY	CA 94710
P04296	TRIPP C H FINISHING CO INC	SAN DIEGO	CA 92121
P10488	TRUE TAGG PAINT CO	MEMPHIS	TN 38105
P07437	U.S. PAINT AND CHEMICAL	NORTH LITTLE ROCK	AR 72114
P06901	UMHOEFER ROBERT R INC	HILLIARD	OH 43026
P06275	UNICHEM COATINGS CO	NEW RINGGOLD	PA 17960
P07612	UNICORN CHEMICAL COATINGS INC	BERKELEY	CA 94710
P02248	UNIFILM CORPORATION	SOMERVILLE	NJ 08879
P03308	UNION CHEMICAL & OIL COMPANY	CHICAGO	IL 60608
P05122	UNION CHEMICAL INDUSTRIES COR	FT LAUDERDALE	FL 33312
P10493	UNION INK CO	RIDGEFIELD	NJ 07657
P10942	UNITED COATINGS INC	CHICAGO	IL 60618
P10926	UNITED COATINGS INC	LOS ANGELES	CA 90058
P07136	UNITED COATINGS INC	MEMPHIS	TN 38103
P02534	UNITED GILSONITE LABORATORIES	SCRANTON	PA 18509
P03455	UNITED PAINT & CHEMICAL CORP	SOUTHFIELD	MI 48075
P02241	UNITED PAINT & VARNISH CO	LINDEN	NJ 07036
P03930	UNITED PAINT CO INC	MEMPHIS	TN 38109
P04482	UNITED PAINT MANUFACTURING CO	SPOKANE	WA 99202
P07769	UNIVERSAL COOPERATIVES INC	ALLIANCE	OH 44601
P04270	UNIVERSAL PAINT CORP	CY OF INDUSTY	CA 91744
P04024	UNIVERSAL PAINT PRODUCT CO	SPRINGFIELD	MO 65806
P10506	UPSON CO	LOCKPORT	NY 14094
P10508	URBAN J M PAINT MANUFACTURING	PHILADELPHIA	PA 19134
P07349	US CELLULOSE CO	SAN JOSE	CA 95125
P00973	US CHEMICAL & PLASTICS	CANTON	OH 44702
P10499	US GYPSUM	PORT READING	NJ 07064
P10498	US GYPSUM CO	DALLAS	TX 75247
P10935	US GYPSUM CO	GYPSUM	OH 43433
P06559	US GYPSUM CO	NASHVILLE	TN 37203
P02894	US MARINE COATINGS INC	SARASOTA	FL 33579
P10928	US PAINT LACQUER & CHEM CO	ST LOUIS	MO 63103
P02567	US PROTECTIVE COATINGS INC	BALTIMORE	MD 21270
P02944	US REFINING CO	CLEVELAND	OH 44114
P05403	US STEEL CORP	CHICAGO	IL 60622
P05840	US YACHT PAINT CO	MONTVILLE	NJ 07045

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P02044	VALSPAR CORP	ROCKFORD	IL 61101
P10055	VALSPAR CORPORATION	CHICAGO	IL 60623
P06519	VALSPAR CORPORATION	CLEVELAND	OH 44105
P07125	VALSPAR CORPORATION	EAST MOLINE	IL 61244
P03357	VALSPAR CORPORATION	FORT WAYNE	IN 46808
P03382	VALSPAR CORPORATION THE	CHICAGO	IL 60623
P00631	VALSPAR CORPORATION THE	MINNEAPOLIS	MN 55415
P04395	VAN PATTEN LYLE CO INC	LOS ANGELES	CA 90061
P04072	VAN SICLE PAINT MFG CO	LINCOLN	NE 68501
P03753	VANE-CALVERT PAINT CO	ST LOUIS	MO 63102
P03791	VANEX COLOR INC	MOUNT VERNON	IL 62864
P03119	VANGUARD PAINTS & FINISHES IN	MARIETTA	OH 45750
P04607	VELCO INC	EUGENE	OR 97402
P02058	VERFLEX CO INC	CARLSTADT	NJ 07072
P04826	VERSATILE PRODUCTS CO	PINE BROOK	NJ 07058
P02279	VIKING CHEMICAL PRODUCTS CO	WAVERLY	NY 14892
P03710	VIKING PAINTS INC	RICHFIELD	MN 55423
P04392	VISTA PAINT CORPORATION	STANTON	CA 90680
P10513	VITRICON INC	WOODSIDE	NY 11377
P04075	VOGEL PAINT & WAX CO INC	ORANGE CITY	IA 51041
P01612	VOLTAX COMPANY THE INC	BRIDGEPORT	CT 06605
P02251	VOPLEX CORP	ROCHESTER	NY 14625
P01903	VORAC COMPANY THE	CARLSTADT	NJ 07072
P03606	WABASH PRODUCTS CO INC	TERRE HAUTE	IN 47803
P03137	WALLERS INC	OPA LOCKA	FL 33054
P00721	WALSH MFG CO	CARLSTADT	NJ 07072
P07460	WAMPLER CHEMICAL CORPORATION	HARRISONBURG	VA 22801
P02645	WARLOCK PAINT CO INC	STATESVILLE	NC 28677
P02887	WARTH PAINT CO INC	MIAMI	FL 33166
P10514	WASHINGTON PAINT PRO INC	CHICAGO	IL 60624
P04416	WATCO-DENNIS CORP	SANTA MONICA	CA 90404
P07207	WATERLAC INDUSTRIES INC	CUBA	MO 65453
P01835	WATERLAC INDUSTRIES INC	DANVERS	MA 01923
P03126	WATSON-STANDARD CO	PITTSBURGH	PA 15225
P03125	WATSON-STANDARD COMPANY	PITTSBURGH	PA 15238
P03374	WAUKEGAN PAINT & LACQUER CO	WAUKEGAN	IL 60085
P08064	WEBB CHEMICAL CO INC	POMPANO BEACH	FL 33060
P03290	WEIGEL MILLER INC	ADDISON	IL 60101
P03964	WELLBORN PAINT MFG	ALBUQUERQUE	NM 87102
P01875	WESLEY LACQUER CORP	BROOKLYN	NY 11231
P10517	WEST CHESTER CHEMICAL CO	WEST CHESTER	PA 19380
P03895	WEST PAINT CO	RACINE	WI 53405
P04351	WESTERN CHEMICAL PRODUCTS	HAWAIIAN GDNS	CA 90716
P04256	WESTERN STATES LACQUER CRP TX	DALLAS	TX 75212
P01589	WESTFIELD CHEMICAL CORPORATION	WESTFIELD	MA 01085
P03191	WESTINGHOUSE ELECTRIC CORP	MANOR	PA 15665
P04273	WHITELINE PAINT CO INC	LOS ANGELES	CA 90023
P03842	WHITESIDES GEORGE W CO	LOUISVILLE	KY 40212
P02902	WHITLAM J C MFG CO	WADSWORTH	OH 44281
P10655	WHITTAKER COR	COLTON	CA 92324
P07659	WHITTAKER CORP	CHICAGO	IL 60616
P10656	WHITTAKER CORP	CHICAGO	IL 60612
P05174	WHITTAKER CORP	JOLIET	IL 60436
P10518	WHITTAKER CORP-COAT-CHEM DIV	LENOIR	NC 28645
P05607	WHITTAKER CORPORATION	LOS ANGELES	CA 90024
P00632	WHITTAKER CORPORATION	MINNEAPOLIS	MN 55418
P07329	WHITTAKER CORPORATION	WOOSTER	OH 44691
P04059	WILKO PAINT INC	WICHITA	KS 67204
P02444	WILLIAM ARMSTRONG SMITH CO	EAST POINT	GA 30344
P10443	WILMINGTON CHEMICAL CORP	WILMINGTON	DE 19899
P02155	WILSON IMPERIAL CO	NEWARK	NJ 07105

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P03001	WILSON PAINT COMPANY THE	CINCINNATI	OH 45214
P06673	WILSON PRODUCTS DIV DART	NESHANIC STA	NJ 08853
P01571	WINDSOR-EMBASSY CHEMICAL CORP	MILFORD	NH 03055
P10520	WINSOR WAX CO INC	HOBOKEN	NJ 07030
P10522	WISCONSIN PROTECTIVE COATING	GREEN BAY	WI 54305
P03610	WOLKE A F CO	NEW ALBANY	IN 47150
P02869	WORTH CHEMICAL AND PAINT CO	LAKE WORTH	FL 33460
P03737	WURDACK WALTER INC	ST LOUIS	MO 63139
P03497	WYANDOTTE PAINT PRODUCTS CO	DETROIT	MI 48213
P02740	WYANDOTTE PAINT PRODUCTS CO	NORCROSS	GA 30071
P03498	WYANDOTTE PAINT PRODUCTS CO	WYANDOTTE	MI 48192
P02960	XIM PRODUCT INC	WESTLAKE	OH 44145
P05413	XMS MANUFACTURING CO	CLEVELAND	OH 44144
P04535	YATES & SMART PAINT CO INC	OAKLAND	CA 94606
P01004	YENKIN MAJESTIC PAINT CORP	COLUMBUS	OH 43219
P10096	YWATER COATINGS	BELLE CHASSE	LA 70037
P02660	ZAC-LAC PAINT & LACQUER CO	ATLANTA	GA 30314
P03309	ZARCO INDUSTRIES INC	CHICAGO	IL 60632
P05809	ZEHRUNG CORPORATION	PORTLAND	OR 97209
P03076	ZIMMERMAN E E COMPANY	PITTSBURGH	PA 15222
P00779	ZINSSER WILLIAM & CO INC	SOMERSET	NJ 08873
P04288	ZOLATONE PROCESS INC	LOS ANGELES	CA 90023
P03654	ZUMMACH PAINT CORP	MILWAUKEE	WI 53204
P04363	ZYNOLYTE PRODUCTS CO	COMPTON	CA 90226

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TABLE C-4: PAPER AND PULP INDUSTRY

FIRM	MILLS
Mr. F.E. Eland, Mgr. of Eng. Abitibi Corp. 2966 Industrial Row Troy, MI 48084	Augusta, GA
Mr. O.A. Mason Alaska Lumber & Pulp Co. Box 1050 Sitka, AK 99835	Sitka, AK
Mr. A. Attalla, Manager of Manufactured Products Allied Materials Corp. P.O. Box 12340 Oklahoma City, OK 73112	Stroud, OK
Mr. Fred Harrison, Dir. Research & Development Allied Paper, Inc. P.O. Box 2528 Kalamazoo, MI 49003	Jackson, AL Kalamazoo, MI
Mr. J. E. Wilkinson, President Alpha Cellulose Corporation P.O. Box 1305 Lumberton, NC 28358	Lumberton, NC
Mr. Edward M. Pyatt Alton Box Board Co. 401 Alton Street Alton, IL 62002	Cedartown, GA Alton, IL Lafayette, IN Jacksonville, FL
Mr. John C. Cuthbertson Director, Environmental Control Corporate Public Affairs American Can Company American Lane Greenwich, CT 06830	Green Bay, WI Halsey, OR Ashland, WI Butler, AL
Mr. L.J. Perelman, President American Paper Products Co. 2113 E. Rush Street Philadelphia, PA 19134	Eden, PA Vincennes, IN
Mr. George F. Thagard, Jr. President Anchor Paper Mills, Inc. P.O. Box 1519 South Gate, CA 90280	South Gate, CA Fontana, CA

PAPER AND PULP INDUSTRY

FIRM	MILLS
Mr. Walter E. Spearin Vice Pres., Env. Control Appleton Papers Division of NCR Box 359, 825 E. Wisconsin Ave. Appleton, WI 54911	Combed Locks, WI Roaring Springs, PA
Mr. J. H. Binns, President Armstrong Cork Company Liberty and Charlotte Streets Lancaster, PA 17604	Fullton, NY
Mr. Ian J.P. Smith Admin. VP & Gen. Mgr. Ashuelot Paper Co., Inc. P.O. Box 26 Hinsdale, NH 03451	Hinsdale, NH
Mr. W. Fenn, Secretary-Treasurer Atlantic Asbestos Corp. P.O. Box 143 Tuckahoe, NY 10707	Red Hook, NY
Mr. James G. Dalton, Pres. Austell Box Board Corp. Austell, GA 30001	Austell, GA
Mr. James Weston, Mill Manager B.J. Fibers, Inc. 2701 S. Birch Street Santa Ana, CA 92707	Santa Ana, CA
Mr. Ralph C. Kinzel Badger Paper Mills, Inc. West Front St., Box 149 Pestigo, WI 54157	Pestigo, WI
Mr. F.L. Bush, President Banner Fiberboard Co. P.O. Box 390 Wellsburg, WV 26070	Wellsburg, WV
Mr. C. Jack Bean, President Bean Bag and Box Company Handley-Ederville Road Fort Worth, TX 76118	Fort Worth, TX
Mr. L. Cross, President Bear Brand Roofing, Inc. N. First Street Bearden, AR 71720	Bearden, AR

PAPER AND PULP INDUSTRY

FIRM	MILLS
Mr. J. Lawrence Upson, Pres. Beaverboard Company, Inc. Mill & Olcutt Streets Lockport, NY 14094	Lockport, NY
Mr. John D. Fisher, Pres. Beloit Box Board Co., Inc. 801 Second Street Beloit, WI 53511	Beloit, WI
Mr. Richard A. Young Chairman & Chief Exec. Officer Bemis Co., Inc. 800 Northstar Center Minneapolis, MN 55402	Peoria, IL
Mr. James Haney Bergstrom Paper Company Neenah, WI 54956	W. Carrollton, OH Neenah, WI
Mr. Ted E. Gaty, Pres. Bermico Company P.O. Box 658 West Bend, WI 53095	Sherman, TX
Mr. C.W. Hogan, President Big Chief Roofing Company 2300 P Street NE P.O. Box 908 Ardmore, OK 73401	Ardmore, OK
Mr. Marvin Farris, Pres. Bio-Tech Mills, Inc. R.D. 2 Greenwich, NY 12834	Greenwich, NY
Mr. Paul I. Knight Bird & Son, Inc. East Walpole, MA 02032	Chicago, IL Shreveport, LA Portland, OR Phillipsdale, RI East Walpole, MA
Mr. George W. Goelz Blandin Paper Co. 115 First St. SW Grand Rapids, MN 55744	Grand Rapids, MN
Mr. R.H. Nachbar, Manager Environmental Affairs Boise Cascade Corporation P.O. Box 1414 Portland, OR 97207	Salem, OR Steilacoom, WA Rumford, ME Deridder, LA International Falls, MN

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PAPER AND PULP INDUSTRY

FIRM	MILLS
Boise Cascade Corp. (continued)	St. Helens, OR Brattleboro, VT Vancouver, WA Elizabeth, LA Wallula, WA Southbridge, MA Beaver Falls, NY
Dr. Robert W. Strauss, Director Technical and Environmental Services Bowater, Inc. 1500 E. Putnam Avenue Old Greenwich, CT 06870	Catawba, SC Catawba, SC Calhoun, TN
Mr. Morris Blank, President Brandywine Paper Corp. 131 Wallace Avenue Downington, PA 19335	Downington, PA
Mr. C.M. Williams Vice President, Engineering Brown Company 243 E. Paterson Street Kalamazoo, MI 49007	Kalamazoo, MI Berlin, NH Eau Claire, WI Castleton-on-Hudson, NY Ladysmith, WI Gorham, NH Holyoke, MA
Mr. Austin Barrett, Pres. Brown Products, Inc. 1 Pine St. Nashua, NH 03060	Nashua, NH
Mr. John L. Sterzinar Burrows Paper Corp. Little Falls, NY 13365	Pickens, MS Little Falls, NY Lyons Falls, NY Little Falls, NY
Mr. Michael Petrowski Chemical Engineer Carolina Paper Board Corp. 443 S. Gardner Avenue Charlotte, NC 28208	Charlotte, NC
Mr. D.S. Cohen, President Carolina Paper Mills, Inc. 304 West 58th Street New York, NY 10019	Rockingham, NC
Mr. Bailey T. Groome, President Carotell Paper Board Corp. P.O. Box 655 Taylors, SC 29687	Taylors, SC

PAPER AND PULP INDUSTRY

FIRM	MILLS
Mr. Robert Stevenson Carthage Paper Makers Div. Climax Mfg. Company Carthage, NY 13619	Carthage, NY
Mr. Stanley L. Burd Cel-Fibe Van Liew Ave. Milltown, NJ 08850	Milltown, NJ
Mr. Alan H. Miller, Pres. Cellu Products Co. Roby Martin & River Roads Patterson, NC 28661	East Hartford, CT Patterson, NC Paxions, PA
Mr. R.C. Wolf Senior Industrial Engineer Celotex Corporation 1500 N. Dale Mabry Highway Tampa, FL 33607	Quincy, IL Camden, AR Wilmington, IL Goldsboro, NC Philadelphia, PA Houston, TX San Antonio, TX Peoria, IL Perth Amboy, NJ Linden, NJ Lockland, OH Memphis, TN Los Angeles, CA
Mr. George J. Haufler, President Certain-Teed Products Corp. P.O. Box 860 Valley Forge, PA 19482	Savannah, GA East St. Louis, IL Shakopee, MN Richmond, CA Avery, OH York, PA
Mr. Richard C. Wigger, Director Gov. & Env. Affairs Champion International Knightsbridge Drive Hamilton, OH 45020	Ontonagan, MI St. Paul, MN Roanoke Rapids, NC Missoula, MT Courtland, AL Canton, NC Pasadena, TX Hamilton, OH
Mr. Mark E. Taylor Chase Bag Co. 218 Cleveland St. Chagrin Falls, OH 44022	Chagrin Falls, OH

PAPER AND PULP INDUSTRY

FIRM	MILLS
Mr. James H. Snyder President & Gen. Mgr. Cheney Pulp and Paper Company Anderson Street P.O. Box 60 Franklin, OH 45005	Franklin, OH
Mr. Arthur W. Plummer Technical Director Chesapeake Corp. of Virginia West Point, VA 23181	West Point, VA
Mr. Calvin J. Smith, President Chesapeake Paperboard Co. Fort Ave. & Woodall St. Baltimore, MD 21230	Baltimore, MD
Mr. C. Frank Shew, Gen. Mgr. Cleaners Hanger Company Paperboard Division 670 17th Street NW Massillon, OH 44646	Massillon, OH
Mr. Walter Alderfer Clevepak Corporation 925 Westchester Ave. White Plains, NY 10604	Piermont, NY Eaton, IN Dallas, TX
Mr. Bernie Thebado Div. of Env. Engineering Colonial Fiber Co. Box 294, Sta. A Manchester, CT 06040	Manchester, CT Bar Mills, ME Covington, TN Rochester, NH
Mr. Henry M. Greenhouse Columbia Corporation Chatham, NY 12037	Chatham, NY Walloomsac, NY
Mr. John Humphreys, V.P. Paper Mfg. Concel, Inc. P.O. Box 1172 St. Helens, OR 97051	St. Helens, OR
Mr. H. F. Pearson, President Congoleum Corporation 195 Belgrove Drive Kearny, NJ 07032	Finksberg, MD
Mr. Joseph J. Donahue, Pres. Connelly Containers, Inc. 4386 Main Street Philadelphia, PA 19127	Philadelphia, PA

PAPER AND PULP INDUSTRY

FIRM	MILLS
Mr. Henry Hentzel Consolidated Packaging Corp. P.O. Box 250 Fort Madison, IA 52627	Fort Madison, IA Monroe, MI
Mr. C.S. Martin Consolidated Papers, Inc. P.O. Box 50 Wisconsin Rapids, WI 54494	Appleton, WI Wisconsin Rapids, WI Stevens Point, WI Wisconsin Rapids, WI Stevens Point, WI Wisconsin Point, WI
Dr. Paul E. Trout Director of Environmental Control Container Corp. of America 500 E. North Avenue Carol Stream, IL 60187	Vernon, CA Santa Clara, CA Wilmington, DE Chicago, IL Carthage, IN Wabash, IN Cincinnati, OH Philadelphia, PA Chattanooga, TN Tacoma, WA Brewton, AL Circleville, OH Fernandina Beach, FL
Mr. John Miner, President Continental Fibre Company Front and Ford Streets Bridgeport, PA 19405	Bridgeport, PA
Mr. R.S. Magruder Continental Forest Industries P.O. Box 1425 Augusta, GA 30903	Hodge, LA Augusta, GA Port Wentworth, GA Hopewell, VA
Mr. Frederick H. Fletcher, Pres. Contoocook Valley Paper Co. Box 528 West Henniker, NH 03242	West Henniker, NH
Mr. F.T. Weyerhaeuser, Pres. Conwed Corp. 332 Minnesota St. St. Paul, MN 55101	Riverside, NJ
Mr. Maury Wallace, Pres. Corning Fibers, Inc. P.O. Box 647 Wells River, VT 05081	Wells River, VT
Mr. L.T. San Giacomo, Pres. Cornwall Paper Mills Co. 51 S. Jefferson Street Orange, NJ 07050	Cornwall, NY

PAPER AND PULP INDUSTRY

FIRM	MILLS
Mr. Jones Felvey, II President Corrugated Services, Inc. P.O. Box 847 Forney, TX 75126	Forney, TX
Mr. F.L. Harrington Cottrell Paper Co., Inc. Rock City Falls, NY 12863	Rock City Falls, NY Fort Edwards, NY
Mr. Hans U. Scharin, Pres. Coy Paper Co. P.O. Box 220 Claremont, NH 03743	Claremont, NH
Mr. Frederick G. Crane, Jr. Crane & Co. Dalton, MA 01226	Dalton, MA (Bay State) Dalton, MA (Old Berksh) Dalton, MA (Wahconah) Dalton MA (Pioneer) Dalton, MA (Byron Wes)
Mr. Richard P. Cuminale Chairman of the Board Crocker Technical Papers, Inc. 431 Westminster St. Fitchburg, MA 01420	Fitchburg, MA
Mr. Sidney Salwen, President Crown Paper Board Co., Inc. Delaware Ave. at Tasker St. Philadelphia, PA 19148	Philadelphia, PA
Mr. Herman R. Amberg, Director Environmental Services Division Crown Zellerbach Corporation Camas, WA 98607	Port Townsend, WA St. Francisville, LA Clatskanie, OR Camas, WA St. Francisville, LA West Lynn, OR Port Angeles, WA Carthage, NY Baltimore, OH Lebanon, OR Eureka, CA Bogalusa, LA Antioch, CA Los Angeles, CA S. Glens Falls, NY
Mr. John W. Pontius Crystal Tissue Co. South Verity Parkway Middletown, OH 45042	Middletown, OH

PAPER AND PULP INDUSTRY

FIRM	MILLS
Mr. F.S. Madden, President The Davey Company 164 Laidlaw Avenue Jersey City, NJ 07308	Aurora, IL Downington, PA Jersey City, NJ
Mr. Norman W. Baldrachi, Pres. Deerfield Specialty Papers, Inc. Main Street Monroe Bridge, MA 01350	Monroe Bridge, MA Augusta, GA
Mr. Richard F. Shaffer G.H.Dexter Division The Dexter Corporation 1 Elm Street Windsor Locks, CT 06096.	Windsor Locks, CT
Mr. E.J. Gallo Diamond International Corp. 733 Third Avenue New York, NY 10017	Red Bluff, CA Ogenburg, NY Plattsburgh, NY Lockland, OH Middletown, OH (Charles St.) Hyde Park, MA Old Town, ME Middletown, OH (Central Ave) Palmer, MA Natchez, MS Groveton, NH Wilmington, IL Gouverneur, NY
Mr. James R. Schof Dunn Paper Co. Div. of Dennison Mfg. Co. 218 Riverview St. Port Huron, MI 48060	Wiggins, MS Port Huron, MI
Mr. Gordon Mills, Pres. EHV-Weidmann Industries, Inc. P.O. Box 278 St. Johnsbury, VT 05819	St. Johnsbury, VT
Mr. Bruce B. Hamilton, Pres. Eastern Fine Paper, Inc. P.O. Box 129 Brewer, ME 04412	Brewer, ME
Mr. Louis K. Eilers, Pres. Eastman Kodak Co. 343 State St. Rochester, NY 14650	Rochester, NY
Mr. J. Creighton, Pres. Elk Corporation P.O. Box 37 Stephens, AR 71764	Stephens, AR

PAPER AND PULP INDUSTRY

FIRM	MILLS
Mr. Rosenfeld, Chm. of Bd. Equitable Bag Co., Inc. 45-50 Van Dam St. Long Island City, NY 11101	Orange, TX
Mr. Robert Holm Erving Paper Mills Erving, MA 01344	Baldwinville, MA Erving, MA Hinsdale, NH
Mr. Irving N. Esleeck, Jr., Chmn. of Bd. Esleeck Mfg. Co. Turners Falls, MA 01376	Turners Falls, MA
Mr. Charles S. McGarry, Pres. Exton Paper Mfgrs. Inc. P.O. Box 158 Modena, PA 19358	Exton, PA
Mr. Marshall T. White Env. Resources Supvr. Federal Paper Board Co., Inc. Riegelwood, NC 28456	Los Angeles, CA Riegelwood, NC Versailles, CT Roanoke Rapids, NC Reading, PA Richmond, VA (Seaboard) Richmond, VA (Southern) Morris, IL Whitehall, MD
Mr. James C. Croudace Director, Engineering Services Fiberboard Corporation P.O. Box 3611 San Francisco, CA 94119	Antioch, CA Vernon, CA Stockton, CA Sumner, WA
Mr. R.M. Brennan, Pres. General Manager Fibre Form Corporation 700 S. Main Street Columbia City, IN 46725	Columbia City, IN
Mr. John Gusmer, Pres. Filter Materials, Inc. P.O. Box 329 1401 Ware Street Waupaca, WI 54981	Waupaca, WI Fresno, CA Sandusky, OH
Mr. Roger S. Hague Finch, Pyrun & Co., Inc. 1 Glen Street Glen Falls, NY	Glen Falls, NY

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FIRM	MILLS
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Mr. Norman Hoefferle, Pres. Flambeau Paper Company Div. of Kansas City Star Co. 200 N. First Avenue Park Falls, WI 54552	Park Falls, WI
Mr. Edward J. Grys Fletcher Paper Co. Alpena, MI	Alpena, MI
Mr. M.C. Carpenter, President Flintkote Company 1351 Washington Boulevard Stamford, CT 06901	Jersey City, NY Cornell, WI Vernon, CA Mount Carmel, IL
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Mr. Frank M. Smith, President Formart Containers, Inc. Pioneer Road P.O. Box 46 Cedarburg, WI 53012	Shamokin, PA Cedarburg, WI
Mr. Albert H. Toma, III Fort Howard Paper Co. 1919 S. Broadway Green Bay, WI 54304	Green Bay, WI
Mr. Martin P. Forte, Jr. President Foster Paper Co., Inc. 2160 Erie Street Utica, NY 13503	Utica, NY
Mr. Schaich Fox Paper Co. Box 15099 Lockland, OH 45215	Lockland, OH
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Mr. Jack Jayne Arkansas Kraft Corp. P.O. Box 1107 Green Bay, WI 54305	Green Bay, WI Morrilton, AR
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Mr. O. Rausch Hennepin Paper Company Little Falls, MN 56345	Little Falls, MN
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Mr. Robert F. Pollard, Gen. Mgr. Jackson Paper Mfg. Co. P.O. Box 667 Sylva, NC 28779	Sylva, NC
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Mr. Samuel A. Lewis, Pres. North End Paper Co. 702 Hanibal St. Fulton, NY 13069	Fulton, NY

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Mr. Harry N. Walters, Pres. Potsdam Paper Corp. Potsdam, NY 13676	Potsdam, NY
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Mr. John Stockwell Putney Paper Co., Inc. Putney, VT 05346	Putney, VT
Mr. Thomas E. Mole, Mgr. of Environmental & Energy Control Quaker Oats Company Merchandise Mart Chicago, IL 60654	Pekin, IL

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Mr. D.M. Ferguson St. Regis Paper Co. Gulf Life Tower Jacksonville, FL 32207	Jacksonville, FL Monticello, MS Coshocton, OH Cantonment, FL Tacoma, WA Bucksport, ME Deferiet, NY

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Mr. Edward Woodard, Pres. Vermont Tissue Paper Corp. Route 67A N. Bennington, VT 05237	N. Bennington, VT
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Mr. Jack Larsen, Director Environmental Resources Weyerhaeuser Company Tacoma, WA 98401	Valiant OK Rothschild WI Everett, WA Cosmopolis, WA New Bern, NC Everett, WA Pine Bluff, AR Springfield, OR Plymouth, NC Longview, WA Longview, WA Plymouth, NC Miquon, PA
Mr. Robert K. Shaw Assistant to the President Whippany Paper Board Co., Inc. 10 North Jefferson Road Whippany, NJ 07981	Clifton, NJ Whippany, NJ (Eden) Whippany, NJ (Hanover) Whippany, NJ (Stony Brook)
Mr. James A. Oakes, Pres. White Pigeon Paper Company Division of Artistic Carton Co. P.O. Box 277 White Pigeon, MI 49099	White Pigeon, MI
Mr. Frank B. Whiting, II, Chm. George A. Whiting Paper Co. 100 River St. Menasha, WI 54952	Menasha, WI
Mr. James E. Asmuth, Pres. Wisconsin Tissue Mills Box 489 Menasha, WI 54952	Menasha, WI
Mr. Frederick D. Höth, Tech. Dir. Wood Flong Corp. Hoosick Falls, NY 12090	Hoosick Falls, NY
Mr. R.G. Woolworth, Pres. Woodstream Corporation Front & Locust Streets P.O. Box 327 Lititz, PA 17543	Lititz, PA

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PAPER AND PULP INDUSTRY

FIRM	MILLS
Mr. Howard J. Sparler, President Yorktowne Paper Mills, Inc. Loucks Mills Road York, PA 17405	York, PA
Mr. William P. Botterbusch General Manager Yorktown Paper Mills of Maine, Inc. Water Street Gardner, ME 04345	Gardner, ME

TABLE C-5: LEATHER TANNERS

Major Leather Tanners

Pfister & Vogle Tanning Co.
Armira Leather Co.
Prime Tanning
Fred Rueping Leather Co.
Foot Tanning Co.

Source: Tanner's Council of America

TABLE C-6: MAJOR PRODUCERS OF WALLCOVERINGS

Major Producers of Wallcoverings

Imperial Wallcovering - Division of Collins & Arkman

Columbus Coated Fabrics

General Tire and Rubber

National Gypsum

Reed Holdings, Inc.

Stauffer Chemicals

Standard Coated Products

James Seeman Studios

Lennon Wallpaper Co.

Panta-astor, Inc.

B.F. Goodrich

W.R. Grace

L.E. Carpenter

Source: Wallcovering Manufacturer's Association

TABLE C-7: MAJOR PRODUCERS OF FLOOR COVERINGS

Major Producers of Resilient Floor Coverings

Congoleum
Antico
Armstrong
Dowdflor
Flintkote
GAF Corp.

Source: National Association of Floor Covering Distributors

TABLE C-8: AQUEOUS INK

Major Producers of Aqueous Ink

J.M. Huber
Inmont
Sun, GPI Division
Sinclair & Valentine
Borden Chemical
Croda Ink (previously Richardson Ink Co.)
Converters
U.S. Printing Ink
Flint Ink

Source: National Association of Printing Ink Manufacturers

TABLE C-9: PLASTICS INDUSTRY (RELEVANT SEGMENTS)

Major Producers of PVC

AAA Polymer, Inc.

Adhesive Products Corp.

Air Products and Chemicals, Inc., Chemicals Group

Aldrich Chemical Co., Inc.

Alpha International Chemical, Inc.

Atlanta Chemical Co., Inc.

Borden Chem., Div. of Borden, Inc.

Carbonit Houston, Inc.

CPL Corporation

Conoco Chems., Continental Oil Co.

Diamond Shamrock Corp.

East Coast Chems. Co.

Fermetal Steel Corp.

Firestone Plastics Co.

Fleet Plastic & Chemical Corp.

General Tire & Rubber Co., Chem./Plastics Div.

Georgia-Pacific Corp.

Goodrich, B.F. Chem. Co.

Goodyear Tire & Rubber Co. (The)

Henley & Co., Inc.

Holtrachem, Inc.

Hoover Ball & Bearing Co., Reynolds Chem. Prod. Div.

Huxley Development, Inc.

Kay-Fries Chems., Inc., Member Dynamit Nobel Group

Keysor-Century Corp.

Montedison USA, Inc.

Moore Chem. Corp.

Morgan Chemicals, Inc.

Olin Corp.

Orlex Chemicals Corp.

Pantasote Co. of N.Y., Inc. (The)

Perry Chemical Corp.

Robintech, Inc.

Rumianca

Schulman, A. Inc.

Stauffer Chem. Co., Plastics Div.

Tenneco Chems., Inc.

Union Carbide Corp., Chems. and Plastics

Vycon Chemicals, Inc.

Major Producers of Plastic

A Z Products, Inc.

Acme Chems. and Insulation Co., Div. Allied Products

Allaco Products Div., Bacon Industries, Inc.

Allied Chem. Corp., Specialty Chems. Div.

American Cyanamid Co., Ind. Chem. Div.

Ampacet Corp.

Ashland Chem. Co., Resins & Plastics Div.

Bamberger Polymers, Inc. (dis.)

Borg-Warner Chemicals, Div. Borg-Warner Corp.

Celanese Plastics Co.

Chem. Components, Inc.

Commercial Resins, Div. Interplastic Corp.

Conoco Chems., Continental Oil Co.

Major Producers of Plastic (Continued)

Cook Paint & Varnish Co.
Cooper, Peter Corps.
Cosden Oil & Chem. Co.
Diamond Shamrock Corp., Process Chemicals Div.
Dow Chem. Co. (The)
Eastman Chem. Products, Inc., Mktg. Affiliate, Eastman Kodak Co.
Emerson & Cuming, Inc.
Exxon Chem. Co., USA
Fiberfil Div., Dart Industries Inc.
Firestone Synthetic Fibers Co., Div. Firestone Tire & Rubber Co.
Fleet Plastic & Chemical Corp.
Furane Plastics, Inc.
General Tire & Rubber Co., Chem./Plastics Div.
Goodrich, B.F. Chem. Co.
Goodyear Tire & Rubber Co. (The)
Gordon Chemical Div., Carl Gordon Ind., Inc.
Grace, W. R. & Co., Organic Chemicals Div.
Hardman, Inc.
Heil Process Equip. Co., Div. of Dart Ind.
Hercules, Inc.
ICI United States, Inc.
Ionac Chem. Co., Div. Sybron Corp.
Kay-Fries Chems., Inc., Member Dynamit Nobel Group
Koppers Co., Inc., Organic Materials Div.
Loes Enterprises
M-R Plastics & Coatings, Inc.
Midwest Mfg. Corp.
Mobay Chem. Corp.
Mohawk Industries, Inc.
PPG Industries, Coatings & Resins
Pacific Resins & Chems., Inc.
Parcloid Chem. Co.
Plastics Engrg. Co.
Polysar Resin, Inc.
Quinn K. J. & Co., Inc.
Reichhold Chems., Inc.
Rexene Polyolefins Co., Div. Dart Ind. Inc., Chemical Group
Rohm and Haas Company
Schulman, A. Inc.
Shanco Div. - Synres Chem. Co.
Stanchem, Inc.
Stauffer Chem. Co., Plastics Div.
Synthane-Taylor Corp.
Union Carbide Corp., Chems. and Plastics
U.S. Industrial Chems. Co.

Major Producers of Polystyrene

Aldrich Chemical Co., Inc.
Amoco Chems. Corp., Plastics Div.
Arco/Polymers, Inc.
BASF Wyandotte Corp.
Cosden Oil & Chem. Co.
Coz Chem. Co., Div. Allied Products Corp.
Dow Chem. Co. (The)
Fiberfil Div., Dart Industries, Inc.
Fleet Plastic & Chemical Corp.
Foster Grant Co., Inc.
Monsanto Co.
Montedison USA, Inc.
Multiplastics
Plastifoam Corp., The
Polymer Materials, Inc.
Polysar Resin, Inc.
Rexene Styrenics Co., Div. Dart Ind. Inc., Chemical Group
Richardson Co., Organic Chems. Div.
Schulman, A. Inc.
Shell Chem. Co., Chemical Sales
Stanchem, Inc.
Union Carbide Corp., Chems. and Plastics
USS Chems., Div. United States Steel
Westlake Plastics Co.

Major Producers of P/F Resins

Acme Resin Co., Unit CPC International
American Hoechst Corp., Industrial Chemicals Div.
Ashland Chem. Co., Resins and Plastics Div.
Borden Chem., Div. of Borden, Inc.
Carborundum Co.
Clark Chem. Corp., Sub Clark Oil & Refining Corp.
Delta Oil Products Corp.
Diamond Shamrock Corp., Process Chemicals Div.
Durez Div., Hooker Chemicals & Plastics Corp.
General Elec. Co., Insulating Materials
George PD & Co.
Georgia-Pacific Corp.
Gulf Oil Chems. Co.
Heresite & Chem. Co.
Ironsides Resins, Inc.
Kay-Fries Chems., Inc., Member Dynamit Nobel Group
Lawter Chems., Inc.
Magna Corp., Aquaness Chemical Div.
Mobil Chem Co., Chem. Coatings Div.
Monsanto Co.
Pacific Resins & Chems. Inc.
Plastics Engrg. Co.
Polyrez Co., Inc.
Raymond Chem. Co.
Reichhold Chems., Inc.
Reichhold Chemicals, Inc., Newport Div.
Schenectady Chems., Inc.
Smith, Werner G., Inc.
Sonoco Products Co.
Union Carbide Corp., Chems. and Plastics
Valentine Sugars, Inc.

Major Producers of U/F Resins

- Allied Chem. Corp., Specialty Chems. Div.
- American Cyanamid Co., Ind. Chem. Div.
- American Hoechst Corp., Industrial Chemicals Div.
- Arkansas Co., Inc.
- Ashland Chem. Co., Resins and Plastics Div.
- Atlas Minerals & Chems. Div., ESB, Inc.
- Borden Chem. Div. of Borden, Inc.
- Bostik South, Inc., Sub of USM Corporation
- Cargil, Inc.
- Celanese Resins Div., Celanese Coatings Co.
- Cook Paint & Varnish Co.
- Corn Products, A Unit of CPC Int'l. Inc.
- Dan River Inc., Chemical Prod. Dept.
- Diamond Shamrock Corp., Process Chemicals Div.
- Dock Resins Corp.
- Easton, R.S. Corp.
- Georgia-Pacific Corp.
- Gulf Oil Chems. Co.
- Hart Product Corp.
- Hercules, Inc.
- Kay-Fries Chems., Inc., Member Dynamit Nobel Group
- Koppers Co., Inc., Organic Materials Div.
- Monsanto Co.
- Montedison USA, Inc.
- National Casein Co.
- Pacific Resins & Chems., Inc.
- Raymond Chem. Co.
- Reichhold Chems., Inc.
- Reliance Universal, Inc.
- Southeastern Adhesives Co.
- Synres Chemical Corp.
- Synthron, Inc.
- Textile Adjuncts Corp.
- Vinings Chem. Co.

Major Producers of Vinyl Products

- Aceto Chem. Co., Inc.
- Air Products and Chemicals, Inc.
- Alddrich Chemical Co., Inc.
- Alfa Div., Ventron Corp.
- Amoco Chems. Corp.
- Anic Speciality Chemical Div.
- Arco/Polymers, Inc.
- Borden Chem., Div. of Borden, Inc.
- Borg-Warner Corp.
- Conoco Chems., Continental Oil Co.
- Copolymer Rubber & Chem. Corp.
- CTC Organics
- Dow Chemical Corp.
- Dow Corning Corp.
- Du Pont, Freon Products Div.
- El Paso Products Co.
- Ethyl Corp.
- Exxon Chem. Co., USA
- Foster Grant Co., Inc.

Major Producers of Vinyl Products (Continued)

GAF Corp.
Goodrich, B.F. Chem. Corp.
Gulf Oil Chems. Co.
ICI United States, Inc.
Kay-Fries Chems., Inc.
MG Scientific Gases
Mobil Chemical Company, Petrochemicals Div.
Monsanto Co.
Nippon Zeon Co., Ltd.
Northern Petrochemical Co.
PCR, Inc.

Petro-Tex Chem. Corp.
Phillips Chemical Co.
PPG Industries, Inc., Chem. Div.
Reilly Tar & Chem. Corp.
Scientific Gas Products, Inc.
Shell Chem. Co., Chemical Sales
Specialty Polymers, Inc.
Stauffer Chem. Co., Plastics Div.
Texas-U.S. Chem. Co.
Union Carbide Corp.
Uniroyal, Inc.

TABLE C-10: RUBBER

Major Producers of Rubber

Aceto Chemical Co., Inc.
Alcan Rubber & Chemical, Inc.
American Cyanamid Co.
Arnco
Ashland Chemical Co.
  Carbon Black & Synthetic Rubber Division
Cities Service Co.
  Columbia Chemicals Division
Composition Materials Co., Inc.
Copolymer Rubber & Chemical Corp.
Corn Products, A Unit of CPC Int'l., Inc.
Dow Corning Corp.
Du Pont, E.I. De Nemours & Co., Elastomer Chems. Dept.
Emerson & Cuming, Inc.
Exxon Chemical Co., USA
Firestone Tire & Rubber Co.
Gates Engrg. Co., Inc.
General Electric Co., Silicone Prod. Dept.
General Tire & Rubber Co., Chem./Plastics Division
Goodrich, B.F. Chem. Co.
Goodyear Tire & Rubber Co. (The)
Hardman, Inc.
Hercules, Inc.
ICI United States, Inc.
IMC Chemical Group, Inc.
Kemstar Corp.
Montedison USA, Inc.
Moore Chem. Corp.
Nippon Zeon Co., Ltd.
Nissho-Iwai American Corp.
Petrotex Chem. Corp.
Phillips Chemical Co.
Products Research & Chem. Corp.
Puskas, E.L. Co.
Rhodia Inc., Chemical Division
SWS Silicones Corp.
Schulman, A. Inc.
3M Co.
Texas-U.S. Chem. Co.
Thiokol Corp., Chemical Division
Uniroyal, Inc.
United Technologies, Chemical Systems Div.
U.S. Industrial Chems. Co.
U.S. Rubber Reclaiming Co., Inc.

ATTACHMENT D

INDIVIDUALS AND ORGANIZATIONS CONTACTED

ATTACHMENT D

INDIVIDUALS AND ORGANIZATIONS CONTACTED

- Aldrich Chemical Co., Inc.
  - Dr. Green

- Allied Chemical Company
  - A.C. Johnson
  - Kelvin Ferber, Consultant

- American Association of Textile, Chemists and Colorists,
  - Jack Daniels

- American Color & Chemical Corp.
  - Donald Nooman

- American Cyanamid Company
  - Vincent Dee

- American Hoechst Corp.
  - Dr. Patrick Florio
  - Dr. Heinz Terbitz

- Apollo Colors

- Atlantic Chemical Corp.
  - Dr. Bochner
  - Dr. Gregory

- BASF Wyandotte Corp.
  - Roger Round

- Berncolors - Poughkeepsie, Inc.
  - Mr. Bernard

- Binney and Smith, Inc.
  - Clifford Frayne

- Bofors Lakeway, Inc.
  - Ralph Wolthuis

- Borden Inc.
  - Tom West
  - Dr. Harold Foster
  - Jerry Row

- Buffalo Color Corp.
  - William Leary

- Chemetron Corp.
  - Rene Willis
  - James Horn

- Ciba-Geigy
  - Jack Martin
  - Dr. Phillip Wahner

- Crompton & Knowles Corp.
  - Rod Horning

- Dry Color Manufactures Associates
  - M. Larry Robinson

- Dye Environmental Toxicology Organization, Inc.
  - Steven Kasprzak

- DuPont, E.I. De Numours & Co.
  - David Boyd
  - Mr. Hall

- Eastman Kodak
  - Dick Hapeman

- FabriColor
  - Walter Perron

- First Chemical Corp.
  - Micky Harbin
  - William Sturdivant

- Harmon Colors Corporation

- Harshaw Chemical Company
  - Dr. James Owen

- Hercules, Inc.
  - Mr. Bruxelles

ICI United States, Inc.
Jack McMillian

Indol Chemical Co.
Charles Foreberg

Inmont Corp.
K. J. Carson

International Tariff Commission
Aimifon Jonnart
Dan McCarthy

Hilton Davis Chemical Co. Div.
Robert K. Johnson

L & R Dyestuffs Corp.
William Stein

Max Marx Color & Chemical Co.

NIOSH
Frank Mackison
Jerry Chandler

Otto B. May, Inc.
Mr. Solomberger

Organic Chemical Corp.

Richard Coulston, Inc.

Ridgeway Colors & Chemical
Robert Gausman

United Merchants & Mfg.-
Roma Chemical Color Division
Richard Levesque

USM Corp.
George Hughs

Verona Dyestuff Div. Mobay Chem. Corp.
Dr. Vias

Sandoz Colors & Chemicals
Dr. Peter Hay

Sherwin-Williams Co.
Charles Mellen

Sun Chemical Corporation
Dr. Hugh Smith

Stanford Research Institute
Mr. Kirt McCaleb

Synalloy Corp., Blackman-Uhler Div.
Tom Hanley

Synthetic Organic Chemical
Maufuacturers, Association
Mr. Thorn

Tenneco Colors Division,
Tenneco Chemical, Inc.
Stan Gannon

Toms River Chemical Co.
Dr. Stanley Stafiej

Paul Uhlich

UOP, Inc.
Al Hoffman
John Schroder

UpJohn Company
Paul Woolrich
Mr. Baptie

U.S. Environmental Protection
Agency
James Gallup
Robert Dellinger
James Berlow
Don Anderson

ATTACHMENT E

LIST OF REFERENCE DOCUMENTS

ATTACHMENT E

LIST OF REFERENCE DOCUMENTS

Colour Index, 1976. The Society of Dyers and Colourists, Yorkshire, England

Imports of Benzenoid Chemicals and Products, 1975. USITC Publication 806.

Imports of Benzenoid Chemicals and Products, 1976. USITC Publication 828.

Imports of Benzenoid Chemicals and Products, 1977. USITC Publication 900.

Synthetic Organic Chemicals, United States Production and Sales, 1975. USITC Publication 804.

Synthetic Organic Chemicals, United States Production and Sales, 1976. USITC Publication 833.

Synthetic Organic Chemicals, United States Production and Sales, 1977. USITC Publication 920.